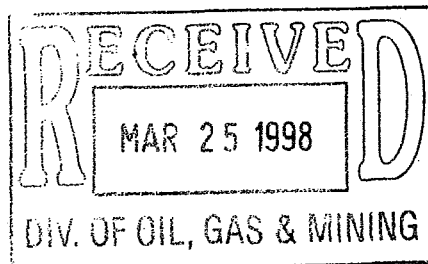




**Coastal**  
The Energy People



March 24, 1998

State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

**Re: Morgan State #14-36**  
**Morgan State #15-36**  
**Morgan State #16-36**

To whom it may concern:

Enclosed is the Application for Permit to Drill (APD), the Drilling Program, and the Surface Use and Operations Plan for the referenced wells.

If you have any questions concerning the enclosed documents, please contact me at (303) 573-4476.

Sincerely,

Bonnie Carson  
Senior Environmental Analyst

Enc.

**Coastal Oil & Gas Corporation**

A SUBSIDIARY OF THE COASTAL CORPORATION

600 17TH ST • STE 800 S • P O BOX 749 • DENVER CO 80201-0749 • 303/572-1121

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1A. Type of Work

DRILL ☒DEEPEN ☐

B. Type of Well

OIL ☐GAS ☒OTHER: ☐SINGLE ZONE ☐MULTIPLE ZONE ☐

2. Name of Operator:

Coastal Oil &amp; Gas Corporation

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well (Footages)

At surface:

290 951' FSL &amp; 1784' FWL

At proposed proding zone:

644

14. Distance in miles and direction from nearest town or post office:

Approximately 50.1 miles southwest of Vernal, Utah

15. Distance to nearest property or lease line (feet):

951'

16. Number of acres in lease:

639.20

17. Number of acres assigned to this well:

40

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet):

See Map C

19. Proposed Depth:

8200'

20. Rotary or cable tools:

Rotary

21. Elevations (show whether DR, RT, GR, etc.):

5026' GL Ungraded

22. Approximate date work will start:

Upon Approval

23.

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
PLEASE SEE ATTACHED DRILLING PROGRAM				

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

Coastal Oil & Gas Corporation proposes to drill a well to the proposed TD as stated above. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per State of Utah requirements.

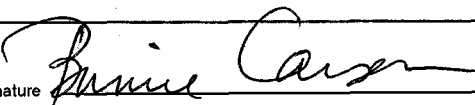
See the Drilling Program and Multi-point Surface Use & Operations Plan, attached.

✓ A location exception application has been made.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. It agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided for by Coastal's Bond #102103.

24.

Name &amp; Signature



Title:

Bonnie Carson

Senior Environmental Analyst

Date:

3/24/98

(This space for State use only)

API Number Assigned:

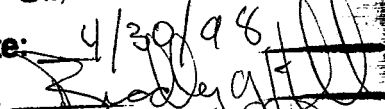
43-047-33094

Approved by the  
Utah Division of  
Oil, Gas & Mining

Date:

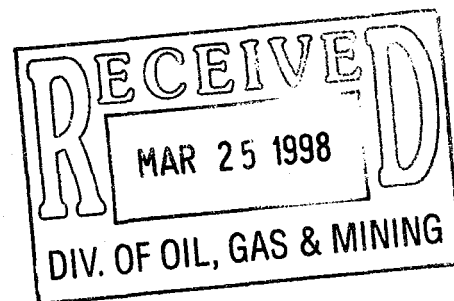
4/30/98

By:

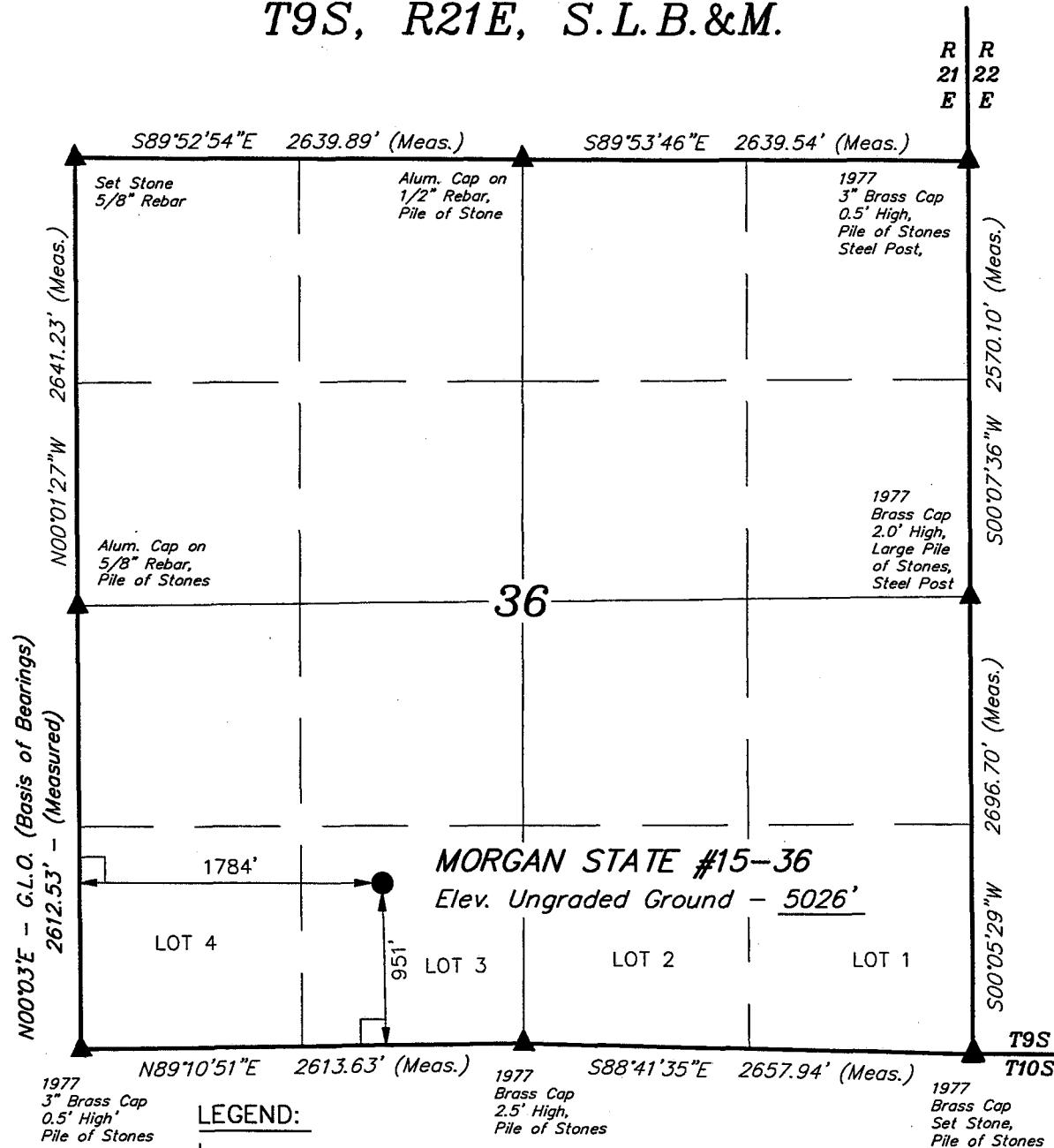


Approval:

(See Instructions on Reverse Side)



**T9S, R21E, S.L.B.&M.**



**LEGEND:**

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

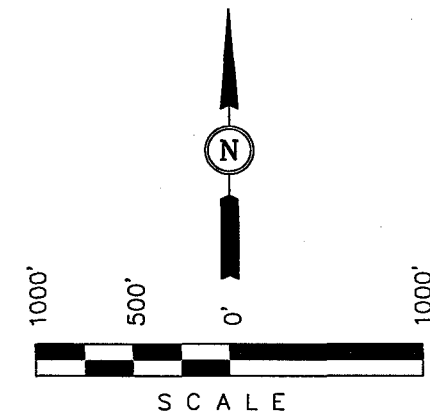
▲ = SECTION CORNERS LOCATED.

**COASTAL OIL & GAS CORP.**

Well location, MORGAN STATE #15-36, located as shown in Lot 3 of Section 36, T9S, R21E, S.L.B.&M., Uintah County, Utah.

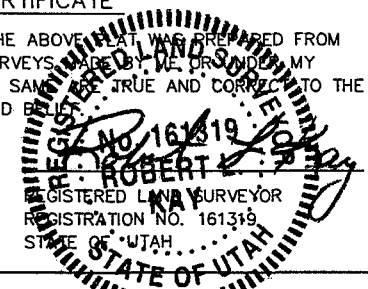
**BASIS OF ELEVATION**

TWO WATERS TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME, UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**UINTAH ENGINEERING & LAND SURVEYING**  
**85 SOUTH 200 EAST - VERNAL, UTAH 84078**  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-18-98	DATE DRAWN: 02-24-98
PARTY J.F. J.K. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE COASTAL OIL & GAS CORP.	

**MORGAN STATE #15-36  
951' FSL & 1784' FWL  
SE/SW (Lot 3), SECTION 36-T9S-R21E  
UINTAH COUNTY, UTAH**

**COASTAL OIL & GAS CORPORATION**

***DRILLING PROGRAM***

The proposed wellsite is on State of Utah surface/State of Utah minerals.

**1. Estimated Tops of Important Geologic Markers:**

Formation	Depth
Duchesne River/Uinta	Surface
Green River	1,440'
Wasatch	4,590'
Mesaverde Sand	7,270'
Total Depth	8,200'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
Oil/Gas	Green River	1,440'
	Wasatch	4,590'
	Mesaverde Sand	7,270'
Water	N/A	
Other Minerals	N/A	

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. Oil and gas shows will be tested to determine commercial potential.

**3. Pressure Control Equipment: (Schematic Attached)**

- a. The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11" drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.
- b. The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.
- c. Testing: The hydril will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 2,000 psi.

4. **Proposed Casing and Cementing Program:**

- a. The proposed Casing Program will be as follows:

Purpose	Depth	Hole Size	Csg Size	Wt/ft	Grade	Type
Surface	0-250'	12 1/4"	8 5/8"	24#	K-55	ST&C
Production	0-TD	7 7/8"	4 1/2"	11.6#	K-55	LT&C

The surface casing will be tested to 1,500 psi prior to drilling out.

Casing design is subject to revision based on geologic conditions encountered.

- b. The Cement Program will be as follows:

Surface	Fill	Type & Amount
0-250'	250'	Approximately 190 sx Class "G" + 2% CaCl <sub>2</sub> , 15.6 ppg, 1.19 CF/sx.
Production		Type & Amount
500' above productive interval to surface		Lead: Extended, Lite, or Hi-Fill cement + additives, 11 ppg.
TD to 500' above productive interval		Tail: Extended Class "G" or 50:50 Poz + additives, 14 ppg.

For production casing, actual cement volumes will be determined from the caliper log.

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the shoe prior to drilling out.

5. **Drilling Fluids Program:**

Interval	Type	Mud Wt.
0-TD'	Air/Air Mist/Aerated Water/Water (As hole conditions warrant.) Depending on hole conditions, the hole will be displaced to either 10 ppg brine or drilling mud prior to logging.	8.4 ppg or less

No chromate additives will be used in the mud system without prior approval to ensure adequate protection of fresh water aquifers.

**6. Evaluation Program:****a. Logging Program:**

DLL/SP: Base of surface casing to TD  
GR/Neutron Density: 2500'-TD

Drill Stem Tests: None anticipated.

The Evaluation Program may change at the discretion of the well site geologist.

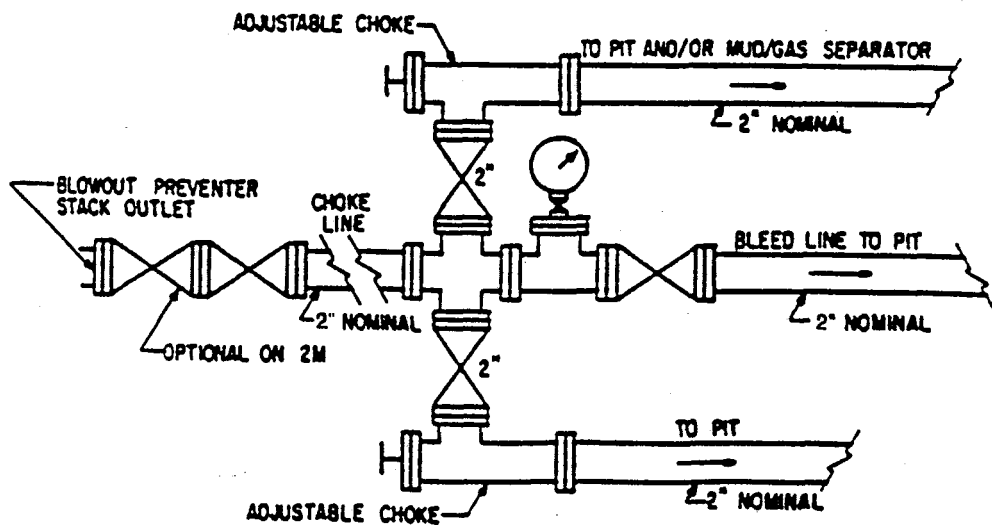
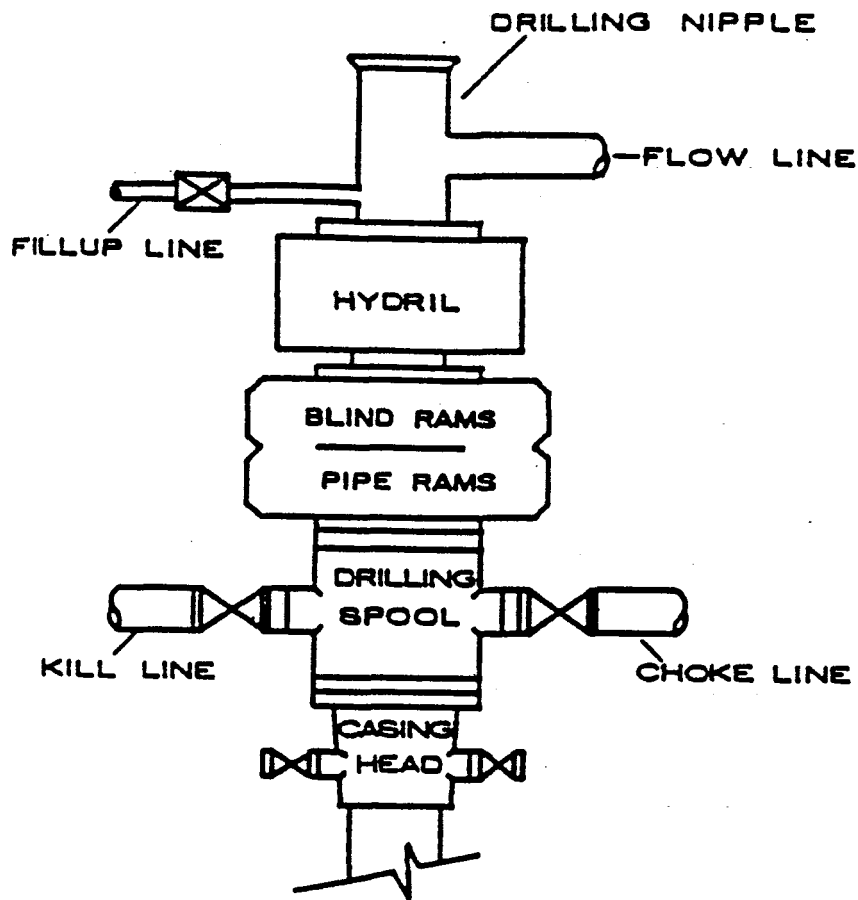
**b.** No drill stem tests, stimulation, or frac treatment has been formulated for this well at this time; however, the drill site, as approved, will be of sufficient size to accommodate all completion activities. Any frac treatment program specifics will be submitted via sundry notices.

**7. Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered in or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure approximately equals 3,280 psi (calculated at 0.4 psi/foot) and maximum anticipated surface pressure equals approximately 1,476 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

# BOP STACK

3,000 PSI



3,000 PSI CHOKE MANIFOLD

**MORGAN STATE #15-36  
951' FSL & 1784' FWL  
SE/SW (Lot 3), SECTION 36-T9S-R21E  
UINTAH COUNTY, UTAH**

**COASTAL OIL & GAS CORPORATION**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

*This Surface Use and Operations Plan is subject to change pending completion of the on-site inspection.*

**1. Existing Roads:**

The proposed wellsite is approximately 50.1 miles southwest of Vernal, Utah.

Directions to the location from Vernal, Utah, are:

Proceed westerly from Vernal on U.S. Highway 40 approximately 14.0 miles to the junction of State Highway 88; exit left and proceed south approximately 17.0 miles on State Highway 88 to Ouray, Utah; proceed south from Ouray approximately 6.9 miles on the Seep Ridge Road to the junction of this road and an existing oil field service road to the east; turn left and proceed in an easterly direction approximately 5.0 miles to the junction of this road and an existing road to the north; turn left and proceed in a northerly direction approximately 0.3 miles to the junction of this road and an existing road to the northeast; turn right and proceed in a northeasterly direction approximately 3.8 miles to the junction of this road and an existing road to the southeast; proceed in a southeasterly direction approximately 1.0 miles to the junction of this road and an existing road to the east; proceed in a southeasterly direction approximately 1.0 miles to the junction of this road and an existing road to the south; turn right and proceed in a southwesterly then southerly approximately 0.7 miles to the beginning of the proposed access road to the west; proceed in a westerly then northwesterly then southwesterly direction approximately 0.3 miles to the proposed location.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

*Improvements to existing access roads shall be determined at the on-site inspection.*

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.



**2. Planned Access Roads:**

Approximately 0.3 miles of new access will be required. The new access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, *unless modified at the on-site inspection*. Appropriate water control will be installed to control erosion.

*Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.*

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

**3. Location of Existing Wells Within a 1-Mile Radius: (See Map C)**

- a. Water wells - 0
- b. Producing wells - 31
- c. Drilling wells - 0
- d. Shut-in wells - 0
- e. Temporarily abandoned wells - 0
- f. Disposal wells - 0
- g. Abandoned wells - 0
- h. Injection wells - 0

**4. Location of Existing and Proposed Facilities:**

The following guidelines will apply if the well is productive.

- a. All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.
- b. A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.
- c. All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color

to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Desert Brown, Munsell standard color number 10 YR 6/3.

- d. Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.
- e. The proposed pipeline will leave the well pad in a westerly direction for an approximate distance of 650' to tie into an existing pipeline. *This section is subject to modification as a result on the on-site inspection.* Please see Map D.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Section 32-T4S-R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

- a. Drill cuttings will be contained and buried in the reserve pit.
- b. Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.
- c. The reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. *The need for a reserve pit liner will be determined at the on-site inspection.*

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

- d. Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.
- e. A chemical porta-toilet will be furnished with the drilling rig.
- f. Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.
- g. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

- h. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). *This section is subject to modification as a result of the on-site inspection.*

See the attached diagram to describe rig orientation, parking areas, and access roads.

- a. The reserve pit will be located on the south side of the location.
- b. The stockpiled topsoil (first six inches) will be stored on the northeast side of the location. All brush removed from the well pad during construction will be stockpiled separately from the topsoil.
- c. The flare pit will be located on the southwest side of the location, downwind from the prevailing wind direction.
- d. Access will be from the east.
- e. All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

- f. The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

a. Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

b. Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. **Surface Ownership:**

- a. Access Roads - The proposed access road is located on lands owned by:

- State of Utah  
Division of State Lands & Forestry

- b. Well Pad - The well is located on land owned by:

- State of Utah  
Division of State Lands & Forestry  
3 Triad Center, #400  
Salt Lake City, Utah 84180-1204

12. **Other Information:**

- a. All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.
- b. The Operator will control noxious weeds along right-of-ways for roads, pipelines, well sites, or other applicable facilities.
- c. Archaeological clearance for Section 36-T9S-R21E was obtained from Mr. Jim Cooper, Utah State Lands Trust.

13. **Lessee's or Operators's Representative and Certification:**


Bonnie Carson  
Senior Environmental Analyst  
Coastal Oil & Gas Corporation  
P.O. Box 749  
Denver, CO 80201-0749  
(303) 573-4476

Tom Young  
Drilling Manager  
Coastal Oil & Gas Corporation  
9 Greenway Plaza, Suite 2770  
Houston, TX 77046  
(713) 877-4156

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the operator, its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
\_\_\_\_\_  
Bonnie Carson

3/24/98  
Date

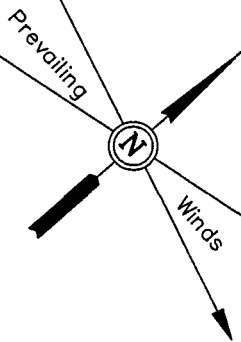
# COASTAL OIL & GAS CORP.

## LOCATION LAYOUT FOR

MORGAN STATE #15-36

SECTION 36, T9S, R21E, S.L.B.&M.

951' FSL 1784' FWL

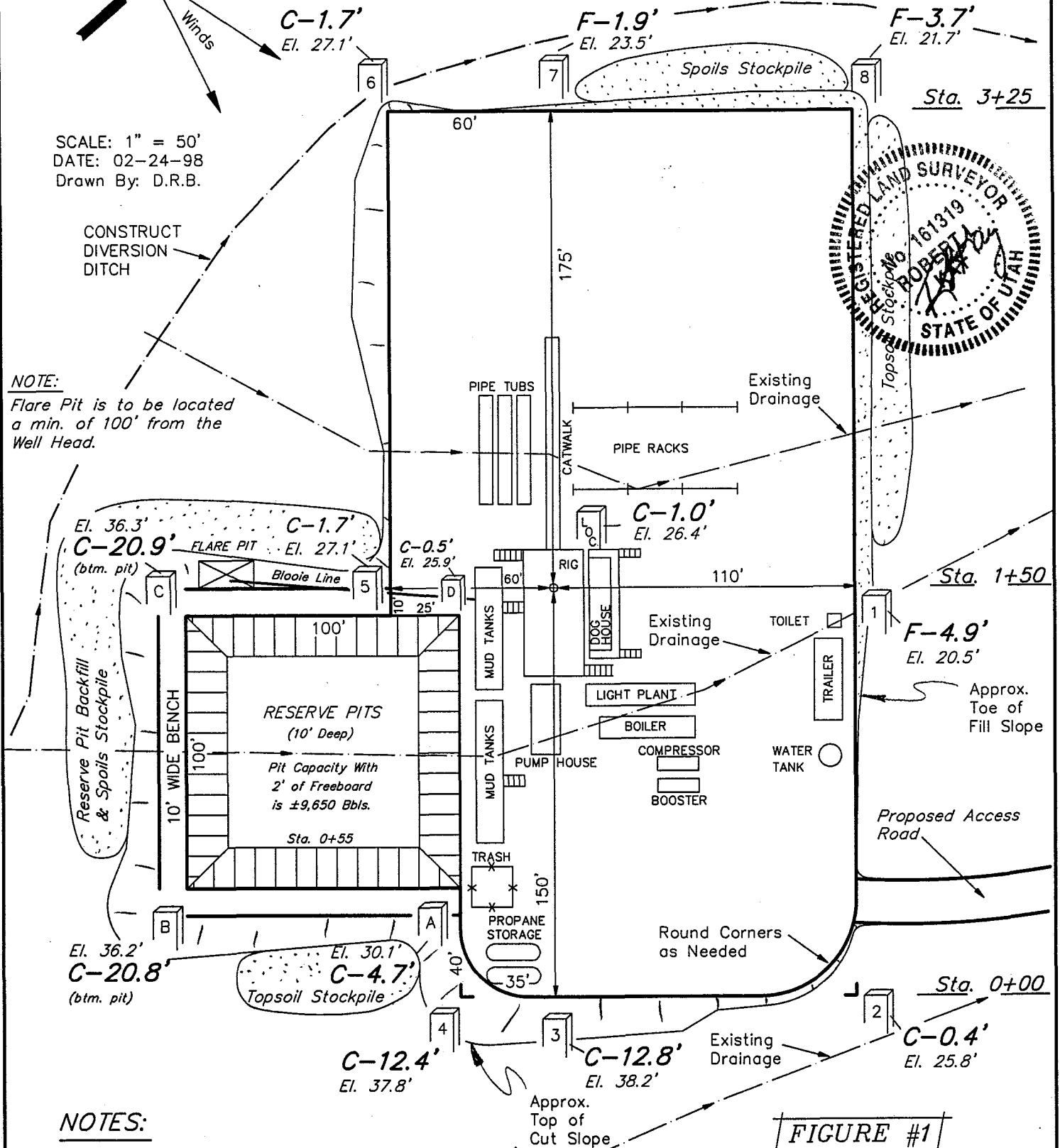


SCALE: 1" = 50'  
DATE: 02-24-98  
Drawn By: D.R.B.

CONSTRUCT  
DIVERSION  
DITCH

### NOTE:

Flare Pit is to be located  
a min. of 100' from the  
Well Head.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 5026.4'

FINISHED GRADE ELEV. AT LOC. STAKE = 5025.4'

FIGURE #1

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

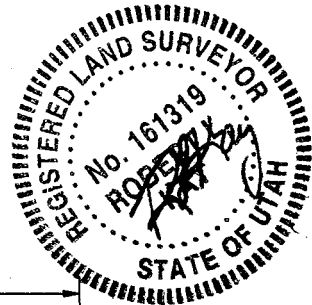
# COASTAL OIL & GAS CORP.

## TYPICAL CROSS SECTIONS FOR

MORGAN STATE #15-36

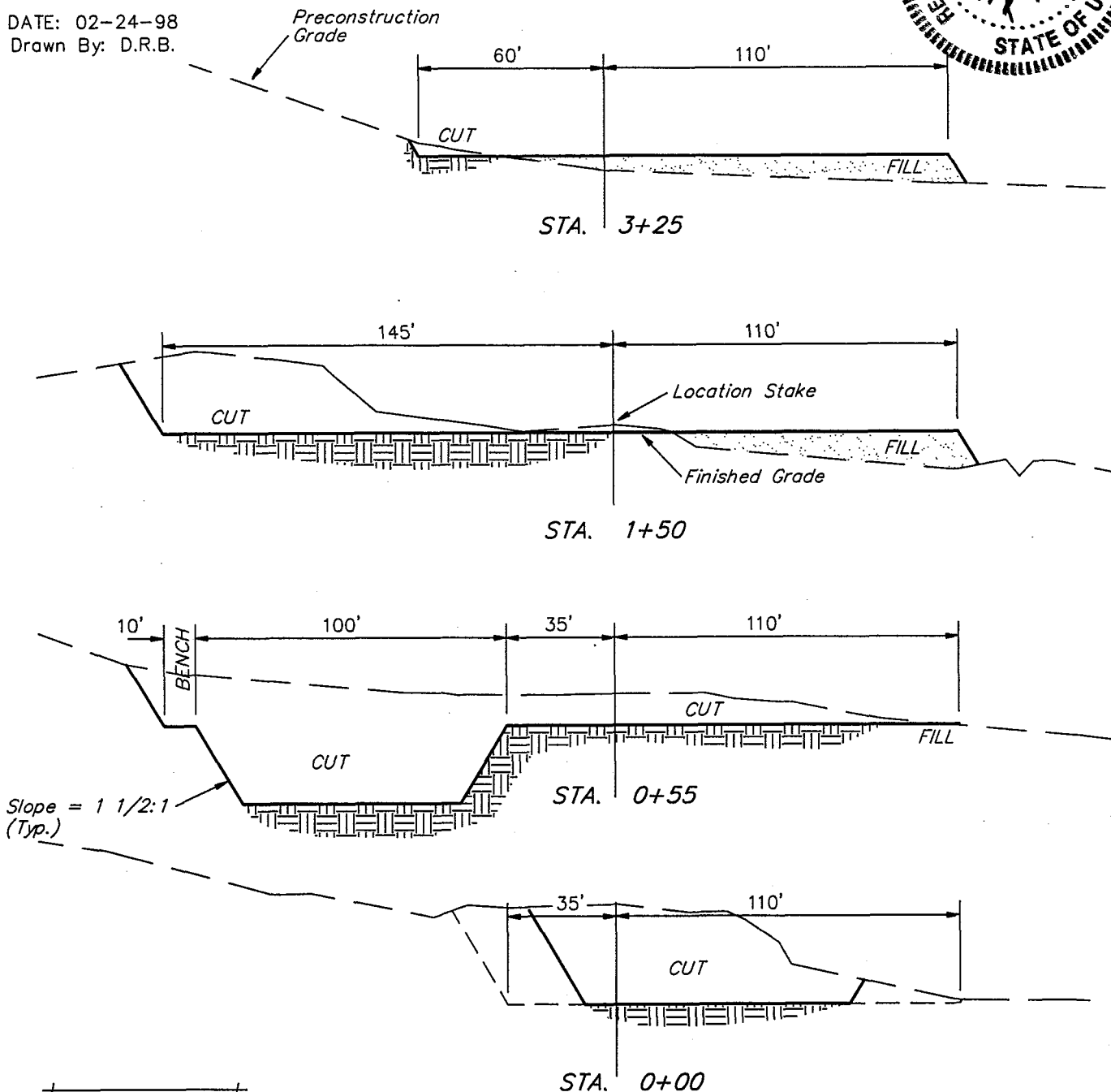
SECTION 36, T9S, R21E, S.L.B.&M.

951' FSL 1784' FWL



1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 02-24-98  
Drawn By: D.R.B.



### FIGURE #2

#### APPROXIMATE YARDAGES

##### CUT

(6") Topsoil Stripping = 1,140 Cu. Yds.  
Remaining Location = 8,350 Cu. Yds.

TOTAL CUT = 9,490 CU.YDS.

FILL = 2,720 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION

= 6,630 Cu. Yds.

Topsoil & Pit Backfill  
(1/2 Pit Vol.)

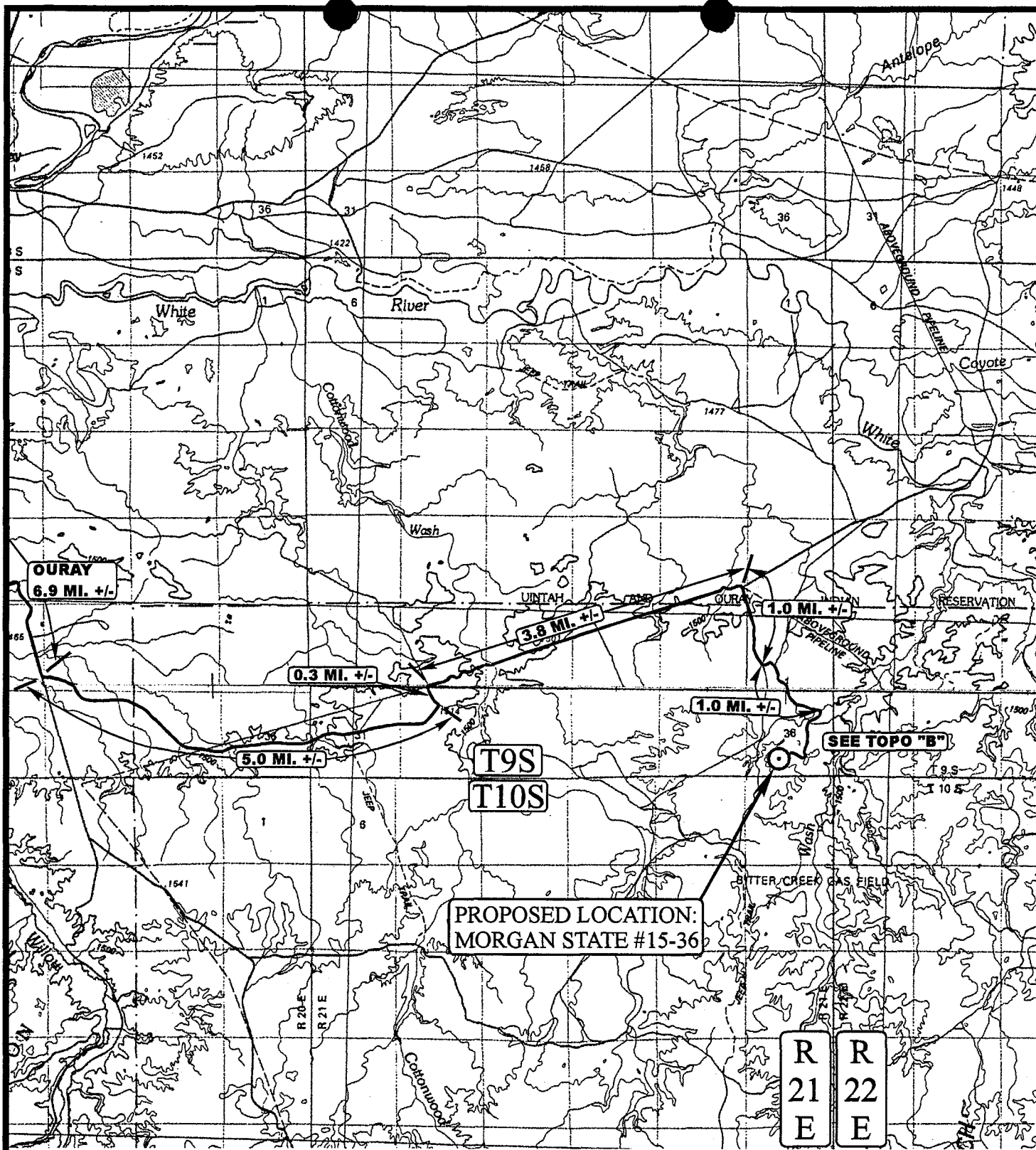
= 2,480 Cu. Yds.

EXCESS UNBALANCE  
(After Rehabilitation)

= 4,150 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017





# LEGEND:

○ PROPOSED LOCATION

## COASTAL OIL & GAS CORP.

MORGAN STATE #15-36  
SECTION 36, T9S, R21E, S.L.B.&M.  
951' FSL 1784' FWL

U  
E  
L  
S

Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



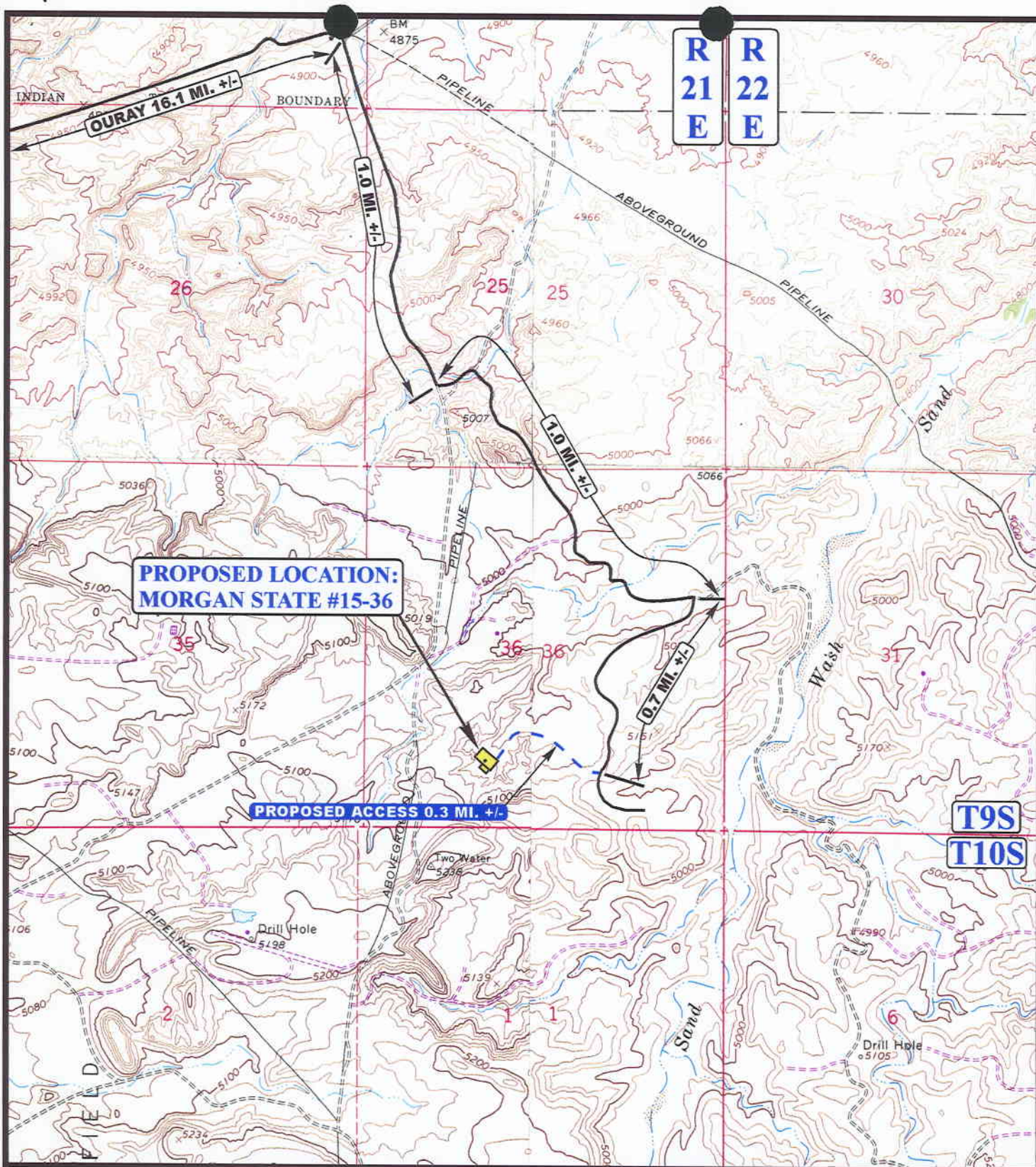
TOPOGRAPHIC  
MAP

2 24 98  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: D.COX REVISED: 00-00-00

A  
TOPO





# LEGEND:

--- PROPOSED ACCESS ROAD  
 — EXISTING ROAD

## COASTAL OIL & GAS CORP.

MORGAN STATE #15-36  
 SECTION 36, T9S, R21E, S.L.B.&M.  
 951' FSL 1784' FWL



Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
 MAP

2 24 98  
 MONTH DAY YEAR

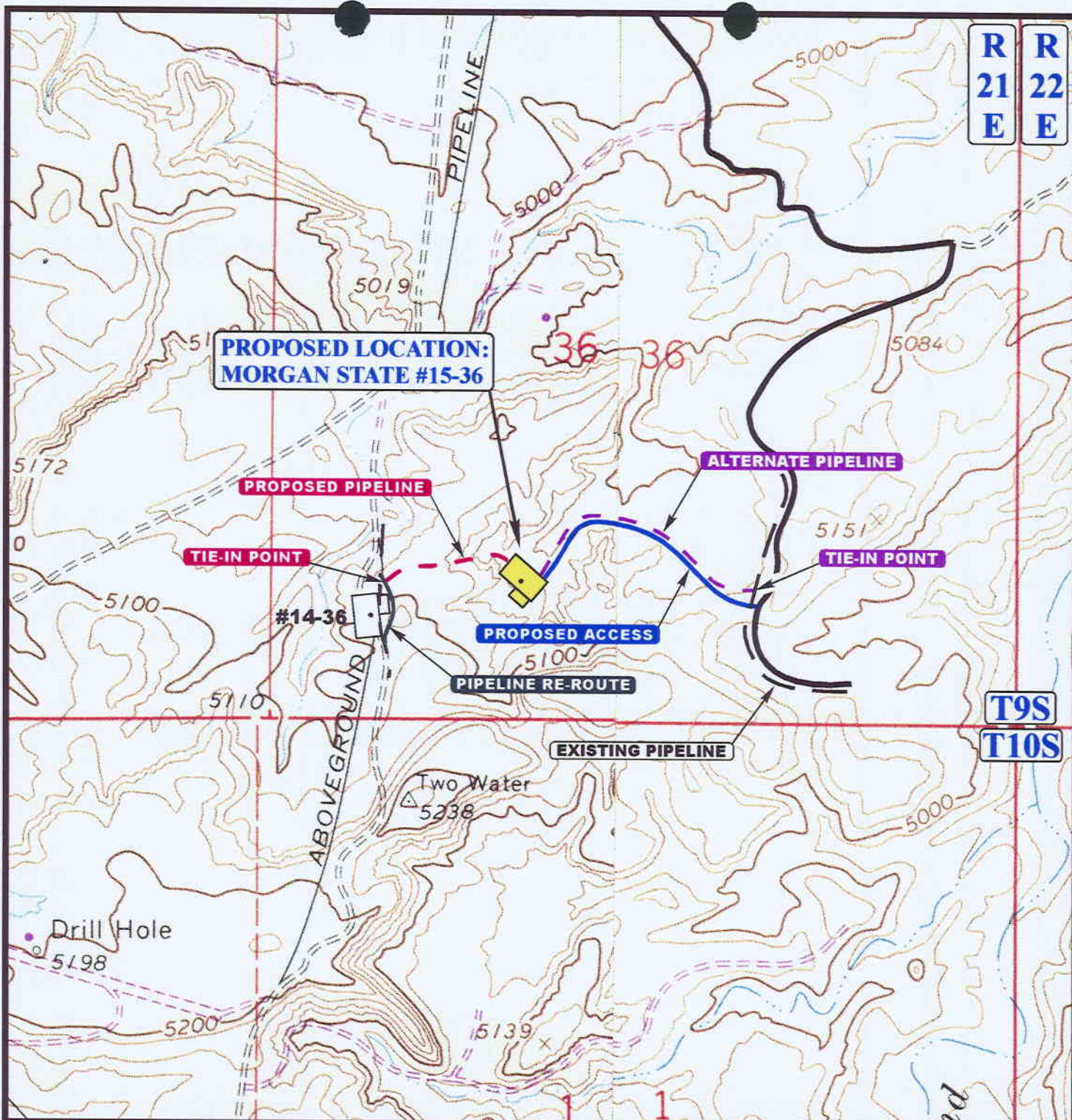
SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00

B  
 TOPO



C  
TOPO





**APPROXIMATE TOTAL PIPELINE DISTANCE = 650' +/-**

**APPROXIMATE TOTAL ALTERNATE PIPELINE DISTANCE = 1400' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

**COASTAL OIL & GAS CORP.**

**MORGAN STATE #15-36**

**SECTION 36, T9S, R21E, S.L.B.&M.**

**951' FSL 1784' FWL**



**TOPOGRAPHIC  
MAP**

**2 24 98**  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: D.COX REVISED: 00-00-00

**D  
TOPO**



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/25/98

API NO. ASSIGNED: 43-047-33094

WELL NAME: MORGAN ST 15-36  
OPERATOR: COASTAL OIL & GAS CORP (N0230)

PROPOSED LOCATION:

SESW 36 - T09S - R21E  
SURFACE: 0951-FSL-1784-FWL  
BOTTOM: 0951-FSL-1784-FWL  
UINTAH COUNTY  
NATURAL BUTTES FIELD (630)

LEASE TYPE: STA  
LEASE NUMBER: ML-22265

PROPOSED PRODUCING FORMATION: MVRD

INSPECT LOCATION BY: 04/25/98

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal[] State[] Fee[]  
(Number 102103)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number 438496 / #53617)  
☒ RDCC Review (Y/N)  
(Date: )

LOCATION AND SITING:

☐ R649-2-3. Unit: \_\_\_\_\_  
☐ R649-3-2. General.  
☒ R649-3-3. Exception.  
☐ Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS:

Surface / State

Engr: Checked Surveyor's  
License - OK.

Oil Shale - Cause No. 190-5(B)

Need add'l info. "Exception Location". # 4-2-98 Reg.

STIPULATIONS:

~~Engr: Prod. casing shall be API N-80 grade;~~  
~~42.5 lbm. Plan noted; cement specs. noted.~~

① STATEMENT OF BASIS

② OIL SHALE 4 1/2"





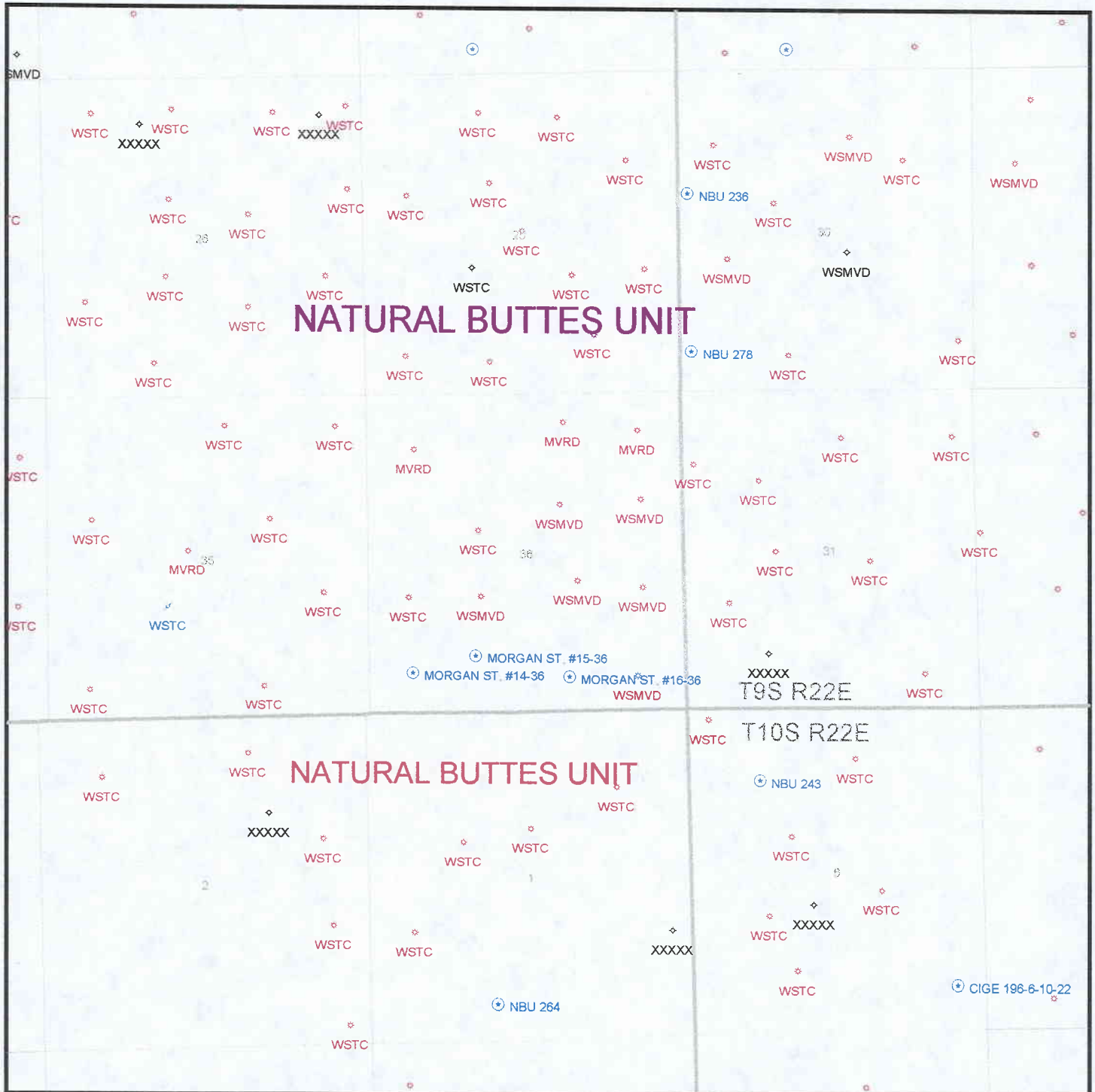
DIVISION OF OIL, GAS & MINING

OPERATOR: COASTAL OIL & GAS (N0230)

FIELD: NATURAL BUTTES (630)

SEC. 36, TWP. 9S, RNG. 21E,

COUNTY: UINTAH UAC: R649-2-3 NATURAL BUTTES UNIT



DATE PREPARED:  
26-MAR-1998

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: COASTAL OIL & GAS CORP.  
WELL NAME & NUMBER: MORGAN STATE 15-36  
API NUMBER: 43-047-33094  
LEASE: ML-22265 FIELD/UNIT: NATURAL BUTTES FIELD.  
LOCATION: 1/4, 1/4 SE/SW Sec: 36 TWP: 9S RNG: 21E 951' FSL 1784' FWL  
LEGAL WELL SITING: 951' F SEC. LINE; 369 F 1/4, 1/4 LINE; \_\_\_\_\_ F ANOTHER WELL.  
GPS COORD (UTM) NO READING  
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

CARROLL ESTES, BONNIE CARSON, CARROLL WILSON (COGC), ROBERT KAY (UELS),  
HARLEY JACKSON (JACKSON CONST.), JOHN FAUSETT, ALAN JUSTICE (DIRT  
CONTRACTORS), DAVID HACKFORD (DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS LOCATED IN AN AREA THAT IS ROLLING AND BROKEN. THE SITE IS IN  
A SHALLOW BOWL SURROUNDED BY RIDGES TO THE NORTH, WEST AND SOUTH.  
DRAINAGE IS TO THE NORTHEAST.

SURFACE USE PLAN

CURRENT SURFACE USE: LIVESTOCK AND WILDLIFE GRAZING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' X 245'  
0.3 MILES OF NEW ACCESS ROAD WILL BE NECESSARY.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 31 PRODUCING GAS  
WELLS.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: \_\_\_\_\_  
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER  
DRILLING WELL. PROPOSED PIPELINE WILL TIE INTO EXISTING PIPELINE AT  
THE 14-36 WHICH IS 650' TO THE WEST. ALTERNATE PIPELINE WILL FOLLOW  
NEW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE  
BORROWED FROM THIS SITE DURING CONSTRUCTION AND IS NATIVE.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT  
WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO  
STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE

HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: GREASEWOOD, NATIVE GRASSES, SALTBRUSH, PRICKLY PEAR, RABBITBRUSH, SAGEBRUSH: PRONGHORN, RODENTS, COYOTES, BIRDS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

SURFACE FORMATION & CHARACTERISTICS: LOCAL BEDROCK IS PREDOMINANTLY UPPER EOCENE SANDSTONE, SILTSTONE AND MARLSTONE OF THE DUCHESNE RIVER AND UINTA FORMATIONS.

EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION, NO STABILITY PROBLEMS ANTICIPATED.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 100' BY 100' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): NO LINER WILL BE REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER STATE OF UTAH, TRUST LANDS.

SURFACE AGREEMENT: STATE OF UTAH, TRUST LANDS.

CULTURAL RESOURCES/ARCHAEOLOGY: AN ARCHAEOLOGICAL CLEARANCE FOR THIS SECTION WAS OBTAINED FROM MR. JIM COOPER, UTAH STATE TRUST LANDS.

OTHER OBSERVATIONS/COMMENTS

INVESTIGATION WAS DONE ON A WARM DAY WITH NO SNOW COVER.  
SITE IS APPROX. 100' FROM AN ABANDONED WATER WELL.

ATTACHMENTS:

PHOTOS OF PROPOSED SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

4/7/98 10:45 AM  
DATE/TIME



**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
<b>Final Score (Level III Sensitivity)</b>		<u>15</u>

**DIVISION OF OIL, GAS AND MINING**  
**APPLICATION FOR PERMIT TO DRILL**  
**STATEMENT OF BASIS**

**Operator Name:** COASTAL OIL & GAS CORP.

**Name & Number:** MORGAN STATE 15-36

**API Number:** 43-047-33094

**Location:** 1/4, 1/4 SE/SW Sec. 36 T. 9S R. 21E

**Engineering:**

This area has potential for H<sub>2</sub>S and a contingency plan should be filed. Casing should be changed to grade N-80. Additional information is needed on cement specs and volumes.

**Reviewer:** Robert Krueger

**Date:** 4/23/98

**Geology/Ground Water:**

The base of moderately saline water is at approximately 3000 feet in this area (Technical Publication # 92). The base of the moderately saline water is probably in the lower Green River Formation. This location is in a designated oil shale area. Fresh water zones may be encountered in sands throughout the Uinta Formation. These zones are generally discontinuous, low yielding and not subject to direct recharge. The proposed surface casing should adequately protect these zones. The proposed cement program for the production casing should adequately protect and isolate any productive zones from fresh water zones above.

**Reviewer:** Brad Hill

**Date:** 4/27/98

**Surface:**

The pre-site investigation of the surface was performed by field personnel on 4/7/98. Jack Lytle with D.W.R. and Ed Bonner with State Lands were notified of pre-site on 3/31/98. Neither attended. A diversion ditch will be constructed west of proposed location to facilitate drainage.

**Reviewer:** DAVID W. HACKFORD

**Date:** 4/14/98

**Conditions of Approval/Application for Permit to Drill:**

1. Reserve pit shall be constructed south of wellbore.
2. A diversion ditch shall be constructed around the west side of the location.
3. An H<sub>2</sub>S Contingency Plan shall be filed with the Division prior to spudding and on-location personnel shall be trained as required to ensure safe operations.
4. Details of the cement program including volume estimates and manufacturer's/suppliers specifications shall be submitted to the Division prior to spudding.
5. Production casing shall be API Grade N-80.



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

April 30, 1998

Coastal Oil & Gas Corporation  
P.O. Box 749  
Denver, Colorado 80201-0749

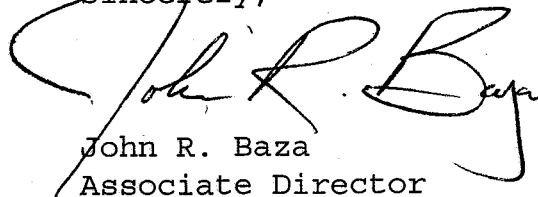
Re: Morgan State 15-36 Well, 951' FSL, 1784' FWL, SE SW,  
Sec. 36, T. 9 S., R. 21 E., Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33094.

Sincerely,



John R. Baza  
Associate Director

lwp

Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office

Operator: Coastal Oil & Gas Corporation  
Well Name & Number: Morgan State 15-36  
API Number: 43-047-33094  
Lease: ML-22265  
Location: SE SW Sec. 36 T. 9 S. R. 21 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801) 538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

5. In accordance with the Order in Cause No. 190-5(b) dated October 28, 1982, the operator shall comply with the requirements of Rule R649-3-31 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the 4½" casing is cemented over the entire oil shale section as defined by Rule R649-3-31.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 951' FSL & 1784' FWL

QQ, Sec., T., R., M.:

Lot 3 (SE/SW), Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #15-36

9. API Well Number:

43-047-33094

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Spud Notice                                   |

Date of work completion 6/5/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

6/5/98: MI & RU Bill Martin Drlg and drilled 255' of 11" hole. Ran 6 jts 8 5/8" 24# J-55 csg with Howco Shoe. Total 252.25'. Cmt with Halliburton, pumped 20 bbls gel water ahead of 100 sk PAG with 2% CaCl2 and 1/4#/sk Flocele, wt 15.6, yield 1.18, drop plug and displace with 14 bbls water. Cmt to surface. Hole full.

Notified Ed Forsman - BLM

Spud at 9:00 AM 6/5/98.

13.

Name & Signature

*Sheila Bremer*

Title

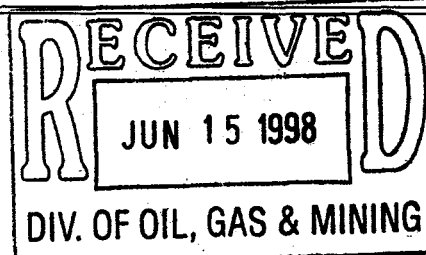
Sheila Bremer

Environmental & Safety Analyst

Date

6/11/98

(This space for State use only)



ENTITY ACTION FORM - FORM 6

OPERATOR Coastal Oil & Gas Corporation

OPERATOR ACCT. NO. N 0230

ADDRESS P.O. Box 749

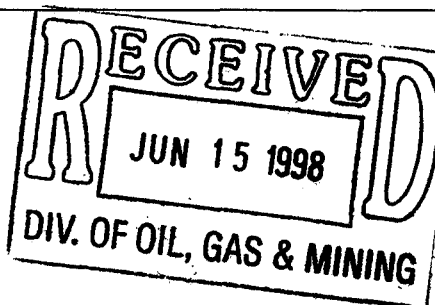
Denver, CO 80201-0749

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12384	43-047-33094	Morgan State #15-36	SESW	36	T9S	R21E	Uintah	6/5/98	6/5/98
WELL 1 COMMENTS: This well is in the Natural Buttes Field but is not a part of the Natural Buttes Unit. <i>Entity added 6-16-98. Lec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.



*Sheila Bremer*  
Signature Sheila Bremer  
Environmental/Safety Analyst 6/11/98  
Title \_\_\_\_\_ Date \_\_\_\_\_  
Phone No. ( 303 ) 573-4455

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages: 951' FSL & 1784' FWL

QQ, Sec., T., R., M.: Lot 3 (SE/SW), Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #15-36

9. API Well Number:

43-047-33094

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
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| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Drilling Operations                           |

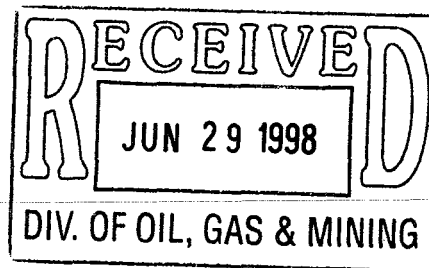
Date of work completion 6/23/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see attached chronological well history for work performed on the subject well.



13. Name & Signature Bonnie Carson Title Senior Environmental Analyst

Date 6/26/98

(This space for state use only)

**PERC****WELL CHRONOLOGY REPORT****WELL NAME : MORGAN STATE #15-36**FIELD : NATURAL BUTTESCOUNTY & STATE : UINTAHWI% : AFE# : 27992

DHC : CWC :

API# : 43-047-33094

AFE TOTAL :

DISTRICT : DRLG

LOCATION :

CONTRACTOR : COASTALDRIL

PLAN DEPTH :

SPUD DATE : 6/5/98

FORMATION :

**REPORT DATE : 6/7/98**MD : 255TVD : 0DAYS : 0

MW :

VISC :

DAILY : DC : \$14,444CC : \$0TC : \$14,444CUM : DC : \$14,444CC : \$0TC : \$14,444

DAILY DETAILS : 6/5/98 MU AND RU BILL MARTIN DRLG AND DRILL 255' OF 11" HOLE AND RAN 6 JTS 8 5/8" 24# J55 CSG WITH HOWCO SHOE TOTAL 252.25 CMT WITH HALLIBURTON; PUMPED 20 BBLS GEL WATER AHEAD OF 100 SK PAG WITH 2% CACL2 AND 1/4 #/SK FLOCELE; WT 15.6; YLD 1.18; DROP PLUG AND DISPLACE WITH 14 BBLS WATER CMT TO SURFACE; HOLE FULL NOTIFIED ED FORSMAN BLM SPUD 0900 6/5/98

**REPORT DATE : 6/12/98**MD : 329TVD : 0DAYS : 0

MW :

VISC :

DAILY : DC : \$31,296CC : \$0TC : \$31,296CUM : DC : \$45,740CC : \$0TC : \$45,740

DAILY DETAILS : RD MOVE RIG ; RU TEST BOP RECHARGE HYDRILL; PU BHA PU BHA; START AIR PACKAGE; INSTALL ROTATING HEAD AND DRIVE BUSHINGS DRLG CMT AND SHOE; DRLG 263-329'

**REPORT DATE : 6/13/98**MD : 1,855TVD : 0

DAYS :

MW : 8.4VISC : 27DAILY : DC : \$35,189CC : \$0TC : \$35,189CUM : DC : \$80,929CC : \$0TC : \$80,929

DAILY DETAILS : DRILLING SURVEYS DRILLING RIG SERV AND SURVEY DRILLING WATER @ 1555'

**REPORT DATE : 6/14/98**MD : 2,916TVD : 0DAYS : 2

MW :

VISC :

DAILY : DC : \$9,917CC : \$0TC : \$9,917CUM : DC : \$90,845CC : \$0TC : \$90,845

DAILY DETAILS : DRLG 1855-1870' SURVEY AT 1826' DRLG 1870-2356' SURVEY AT 2312' DRLG 2356-2854' SURVEY AT 2810' DRLG 2854-2916'

**REPORT DATE : 6/15/98**MD : 3,705TVD : 0DAYS : 3

MW :

VISC :

DAILY : DC : \$11,921CC : \$0TC : \$11,921CUM : DC : \$102,766CC : \$0TC : \$102,766

DAILY DETAILS : DRLG 2916-3349' SURVEY AT 3305' DRLG 3349-3569' SURVEY AT 3525' DRLG 3569-3916'

**REPORT DATE : 6/16/98**MD : 4,622TVD : 0DAYS : 4

MW :

VISC :

DAILY : DC : \$10,467CC : \$0TC : \$10,467CUM : DC : \$113,232CC : \$0TC : \$113,232

DAILY DETAILS : DRLG 3705-4002' REMOVE AIR COMPRESSOR FROM COMPOUND RIG MAINTENANCE DRLG 4002-4154' SVY 4110' 2 1/4 DEG DRLG 4154-4622'

**REPORT DATE : 6/17/98**MD : 5,397TVD : 0DAYS : 5

MW :

VISC :

DAILY : DC : \$20,381CC : \$0TC : \$20,381CUM : DC : \$133,613CC : \$0TC : \$133,613

DAILY DETAILS : DRLG 4622-4654' TRIP FOR BIT CHANGE CHANGE OUT OIL COOLER #1 MOTOR TRIP IN DRLG 4654-4966' RIG MAINTENANCE DRLG 4966-5060' WORK ON DERRICK LIGHTS DRLG 5060-5150' SURVEY AT 5106' DRLG 5150-5397' BREAKS 4812-4827' 4862-4905' 4970-5001' 5089-5109' 5244-5265'



**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 6/18/98 MD : 6.442 TVD : 0 DAYS : 6 MW : VISC :  
 DAILY : DC : \$12,816 CC : \$0 TC : \$12,816 CUM : DC : \$146,429 CC : \$0 TC : \$146,429  
 DAILY DETAILS : DRLG 5397-5642' SURVEY AT 5598' DRLG 5642-6164' SURVEY AT 6121' DRLG 6164-6442'  
 DRLG BREAKS 5316-5336' 5344-5364' 5400-5428' 5443-5459' 5463-5486' 5574-5599'  
 5675-5695' 5772-5782' 5828-5834' 5947-5957' 6069-6085' 6249-6306'

REPORT DATE : 6/19/98 MD : 6.990 TVD : 0 DAYS : 7 MW : VISC :  
 DAILY : DC : \$24,633 CC : \$0 TC : \$24,633 CUM : DC : \$171,063 CC : \$0 TC : \$171,063  
 DAILY DETAILS : DRLG 6442-6568' SURVEY AT 6524' WORK ON AIR PACKAGE DRLG 6568-6691' RIG  
 MAINTENANCE DRLG 6691-6786' UNLOAD HOLE DRLG 6786-6990' BREAKS 6249-6306'  
 6410-6444' 6866-6881' 6885-6896' 6939-6951'

REPORT DATE : 6/20/98 MD : 7.330 TVD : 0 DAYS : 8 MW : 8.4 VISC : 27  
 DAILY : DC : \$17,541 CC : \$0 TC : \$17,541 CUM : DC : \$188,603 CC : \$0 TC : \$188,603  
 DAILY DETAILS : POOH FOR BIT #3 FIX AIR LEAK POOH FOR BIT #3 MAKE UP BIT; FUNCTION TEST PIPE  
 AND BLIND RAMS OK; TIH WITH BIT #3 FILL PIPE; WASH AND REAM 20' OF FILL TO BOTTOM  
 DRLG 6990-7126' SURVEY AT 7082' DRLG 7126-7330'

REPORT DATE : 6/21/98 MD : 7.868 TVD : 0 DAYS : 9 MW : 8.4 VISC : 28  
 DAILY : DC : \$21,241 CC : \$0 TC : \$21,241 CUM : DC : \$209,844 CC : \$0 TC : \$209,844  
 DAILY DETAILS : DRLG 7330-7653' SURVEY AT 7609' RIG MAINTENANCE DRLG 7653-7868' DRLG BREAKS  
 7373-7386' 7408-7429' 7636-7641' 7717-7740' 7774-7794'

REPORT DATE : 6/22/98 MD : 8.024 TVD : 0 DAYS : 10 MW : 8.5 VISC : 28  
 DAILY : DC : \$27,942 CC : \$0 TC : \$27,942 CUM : DC : \$237,787 CC : \$0 TC : \$237,787  
 DAILY DETAILS : DRLG 7868-8000' CIRC FOR SHORT TRIP DRLG 8000-8010' SPOT BRINE DROP SURVEY;  
 TRIP OUT FOR LOGS AT 7980' SLM 8026.95 RU AND LOG WITH SCHLUMBERGER; LOGGER  
 DEPTH 8024' RIG DOWN LOGGERS; FUNCTION TEST BOPS TIH WITH BHA - 39 STDS RU  
 WESTATES; LAY DOWN TRUCK LAY DOWN DP

REPORT DATE : 6/23/98 MD : 8.024 TVD : 0 DAYS : 11 MW : VISC :  
 DAILY : DC : \$125,850 CC : \$0 TC : \$125,850 CUM : DC : \$363,637 CC : \$0 TC : \$363,637  
 DAILY DETAILS : LD DRILL PIPE RU WESTATES CSG CREW; RUN 182 JT 4 1/2" N80 CSG TO 8023' KB; RUN 30  
 CENT OVER PRODUCTION ZONES AND TRONA ZONE CIRC 15' FILL AND COND HOLE RU  
 DOWELL TO CMT WITH 10 BBL 40# SPACERS 80 BBL WATER WITH SURFACTANT MIX 365 SX (971  
 FT) LEAD CMT MIX 1560 SX (1841 FT) TAIL CEMENT; RECIP PIPE FIRST HOUR 15-20' PULLING 110  
 M; STOP; DROP PLUG DISPLACE WITH 123 BBL H2O; BUMP PLUG 500 PSI OVER LIFT PRESS OF  
 2086 PSI; GOOD LIFT PRESS; POOR RETURNS SET SLIPS WITH 94000# TENSION; ND; CUT OFF;  
 CLEAN PITS RELEASE RIG AT 8:30 PM 6/22/98; MOVE TO MS #16-36

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 951' FSL & 1784' FWL

QQ, Sec., T., R., M.: Lot 3 (SE/SW), Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #15-36

9. API Well Number:

43-047-33094

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

#### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

#### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon*                                 | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                            | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                          | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                     | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>First Production</u> |   |

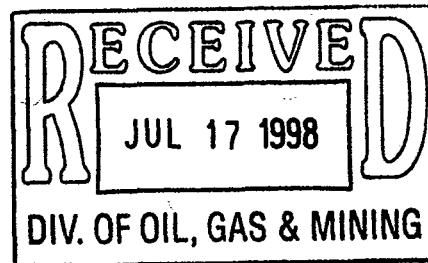
Date of work completion 7/6/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

First production for subject well occurred on 7/6/98.



13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst Date 7/15/98

(This space for State use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

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2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

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QQ, Sec., T., R., M.: Lot 3 (SE/SW), Section 36-T9S-R21E

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Natural Buttes Field

County: Uintah

State: Utah

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**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other _____    | Completion Operations                         |

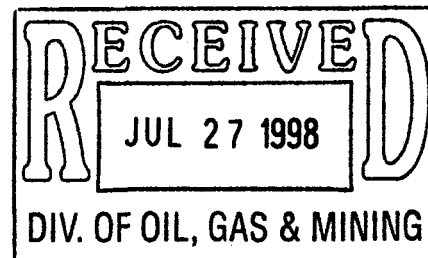
Date of work completion 7/22/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological well history for work performed on the subject well.



13.

Name & Signature

*Sheila Bremer*

Title

Sheila Bremer

Environmental & Safety Analyst

Date

7/24/98

(This space for State use only)

**PERC****WELL CHRONOLOGY REPORT****WELL NAME : MORGAN STATE #15-36**DISTRICT : DRLGFIELD : NATURAL BUTTES

LOCATION :

COUNTY & STATE : UINTAHUTCONTRACTOR : COASTALDRILWI% : AFE# : 27992API# : 43-047-33094

PLAN DEPTH :

SPUD DATE :

6/5/98

DHC : CWC :

AFE TOTAL :

FORMATION :

**REPORT DATE : 6/30/98**MD : 7,982TVD : 0DAYS : 12

MW :

VISC :

DAILY : DC : \$0CC : \$5,010TC : \$5,010CUM : DC : \$363,637CC : \$5,010TC : \$368,647

DAILY DETAILS : MI & RU TEMPLES WELL SERVICE RIG #1. NDWH. NU BOP. PU & RIH W/3 7/8" MILL, CSG SCRAPER & 2 3/8" TBG. TAG PBTD @ 7979'. CIRC HOLE W/150 BBLS FILTERED 3% KCL WTR. POOH TO 7638'. SDFN.

**REPORT DATE : 7/1/98**MD : 7,979TVD : 0DAYS : 13

MW :

VISC :

DAILY : DC : \$0CC : \$12,335TC : \$12,335CUM : DC : \$363,637CC : \$17,345TC : \$380,982

DAILY DETAILS : RU DOWELL. SPOT 7 BBLS 15% HCL ACROSS INTERVAL 7268-7643'. RD DOWELL. POOH W/TBG. LD MILL & SCRPER. ND BOP. NU FRAC VALVE. RU SCHL. RAN GR-CCL-CBL FROM LTD @ 7976' TO 4400' & FROM 2800' TO 1900'. GOOD BOND FROM TD TO 5100' +/-, FAIR BOND FROM 5100' TO 4400'. TOC @ 2110'. PT 4 1/2" CSG & FRAC VALVE TO 5000 PSI - OK. PMP DWN 8 5/8" - 4 1/2" CSG ANN 4 BPM @ 100 PSI. PERF MESAVERDE 3 SPF, 120 DEG PHASING W/3 1/8" SELECT FIRE GUN AS FOLLOWS: 7268, 7276, 7382, 7424, 7434, 7643 (TOTAL 18 HOLES) SICP 0 BEFORE 7 AFTER PERF. RD SCHL. SDFN.

**REPORT DATE : 7/2/98**MD : 7,979TVD : 0DAYS : 14

MW :

VISC :

DAILY : DC : \$0CC : \$74,635TC : \$74,635CUM : DC : \$363,637CC : \$91,980TC : \$455,617

DAILY DETAILS : MI & RU DOWELL FRAC EQUIPMENT CONSTRUCTION COSTS OF \$73,740 ADDED IN THIS DAY.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/3/98 MD : 7,979 TVD : 0 DAYS : 15 MW : VISC :  
 DAILY : DC : \$0 CC : \$17,763 TC : \$17,763 CUM : DC : \$363,637 CC : \$109,743 TC : \$473,380

DAILY DETAILS : FIN RU DOWELL FRAC EQUIP. HOLD SAFETY MEETING. PT LINES TO 6000 PSI. BREAK DWN MESAVERDE PERFS 7268-7643' @ 2276 PSI. PMPD INJ TEST. CALC 16 PERFS OPEN. FRAC W/8014 GAL YF-125LGM PAD + 39467 GAL YF-120 LGM W/97,000# 20/40 SD RAMPED 2-4 PPG + 20,000# 20/40 RESIN COATED SAND 2-4 PPG. AIR 29 BPM @ 3000 PSI. MAX RATE & PRESS 30 BPM & 3950 PSI. ISIP 2050 PSI. RU SCHL. RIH W/RBP & PERF GUN. COULD NOT GO BELOW 5559'. POOH W/RBP & PERF GUN. FLWD WELL 2 HRS ON 20/64" CK. REC 175 BBLS WTR & ACID, FCP 1000 PSI, NO GAS. RIH W/RBP & PERF GUN. COULD NOT GO BELOW 5559'. POOH & RD SCHL. RESUME FLOW BACK ON 20/64" CK. TURNED WELL OVER TO FLOW BACK CREW.

1ST 60,000# SD TRACED W/21 MCL SB-124.

2ND 37,000# SD TRACED W/13 MCL SC-46.

3RD 20,000# RC SD TRACED W/9 MCL IR-192. BBLS FLUID PMPD DAILY 1248, BBLS FLUID REC 175, BBLS LEFT TO REC 1073

FLOW BACK REPORT  
 TIME....CP....CH....WTR....SD

1:30 PM....OPENED UP

4....375....20....36....L

5....310....20....38....L

6....275....20....56....L

7....320....20....40....L

8....310....20....34....L

9....310....20....25....L

10....310....20....29....L

11....310....20....20....L

12....310....20....25....L

1....310....20....25....L

2....310....20....25....L

3....420....26....34....L

4....490....32....52....L

5....570....48....65....L

6....380....48....77....M

GAS RATE 1.5 MCF/D, TTOAL WTR 581 BBLS, TOTAL LTR 492 BBLS.

REPORT DATE : 7/4/98 MD : 7,979 TVD : 0 DAYS : 16 MW : VISC :  
 DAILY : DC : \$0 CC : \$3,988 TC : \$3,988 CUM : DC : \$363,637 CC : \$113,731 TC : \$477,368

DAILY DETAILS : CP 200 PSI ON OPEN CHK. NU BOP & FLOOR EQUIP. KILL CSG W/125 BBLS 3% KCL WTR. PU NEW 3 7/8" MILL & 4 1/2" CSG SCRAPER 1 JT, SN, 170 JTS. RU POWER SWIVEL & ROTATED & WORK TBG FROM 5529-5593'. DID NOT FEEL ANY THING. POOH W/TBG, SCRAPER & MILL. ND BOP. RU SCHL. RIH W/4 1/2" ARROW WL. SET LONG-STEM RBP. SET RBP #1 @ 6990'. RIH W/3 1/8 SELECT GUN LOADED 3 SPF, 120 PHASING (.34" HOLE) & PERF LOWER WASATCH STAGE #2 AS FOLLOWS: 6940, 6939, 6582, 6581, 6580, 15 HOLES TOTAL. NO PRESS CHG BEFORE OR AFTER. RD WL SERVICE & RU DOWELL. HELD SAFETY MEETING. PT LINES TO 6020. BRKDOWN PERFS 6580-6940'. BREAK @ 3689 PSI @ 2.8 BPM RAMPING RATE TO 17.0 BPM @ 4866 PSI. ISIP 1650 PSI CAL # OF PERFS OPEN 7 HOLES. FRAC STAGE #2 6580-6940' DWN 4.5 CSG. PMPD 7 BBLS 15% HCL ACID W/45,000 LBS OF 20/40 SD, 10,000 LBS OF RESIN COATED SAND W/598 BBLS OF GEL FLUID. MAX PSI 5000, AVG 3841 PSI, ISIP 2124 PSI. MAX RATE 30 BPM. FINAL RATE 24 BPM, LTR 598 BBLS. RU SCHL. RIH W/3 1/8 FIRE GUN 3 SPF, 120 PHASING & 4-1/2 ARROW WL SET LONG STEM RBP. SET RBP #2 @ 6310. PERF'D WASATCH #3 AS FOLLOWS: 6274, 6273, 6109, 6012, 5960, 15 HOLES TOTAL. RD WLS. SDFN.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/5/98 MD : 7,979 TVD : 0 DAYS : 17 MW : VISC :  
 DAILY : DC : \$0 CC : \$119,501 TC : \$119,501 CUM : DC : \$363,637 CC : \$233,232 TC : \$596,869

DAILY DETAILS : SICIP 250 PSI. PT LINES TO 6000 PSI. HELD SAFETY MEETING. FRAC STAGE #3. BRK DWN PERFS 5960-6274' @ 2880 PSI RAMPING TO 24 BPM @ 3278 PSI. SD & CAL PERFS OPEN 13 HOLES. ISIP 1350 SI. PMP 35000# 20/40 SD DWN 4 1/2 CSG & 10000# RESIN COATED SD W/19782 GALS FRAC FLUID. SPOT 7 BBLS 15% HCL ACID. MAX PSI 4033, AVG PSI 2920, MAX RATE 30 BPM, AVG 29 BPM, ISIP 1419 PSI, STAGE #3 COMPLETE. RU WL SERV & RIH W/3 1/8 SELECT FIRE GUN & 4 1/2 ARROW RBP. SET RBP #3 @ 5610'. PERF WASATCH AS FOLLOWS: 5564, 5547, 5514, 5513, 5020 (15 HOLES). NO PRESS CHG BEFORE OR AFTER. RD WL SERV. FRAC STAGE #4 BRK DWN PERFS (5020-5564'). BREAK @ 4500 PSI @ 11 BPM. SD TO CAL PERFS OPEN, 12 PERFS OPEN. ISIP 1448 PSI. PMP 65400# 20/40 SD & 20000# RC SD DWN 4 1/2 CSG 38556 GALS GEL FLUID. MAX PSI 4425, AVG 2356, MAX RATE 31 BPM, AVG 28 BPM ISIP 1103, 5 MIN 993, 10 MIN 888, 15 MIN 819, 30 MIN 525. STAGE #4 COMPLETE. RD DOWELL. WELL FLWG ON 13/64 CHK W/FLOW BACK CREW. 1ST 24000# SD TRACED W/9 MCL SB=124, 2RD 11.

## FLOW BACK REPORT

TIME...CP...CH...WTR...SD

12:30...525...13

1:00...150...32...18...TR

1:30.....0....SHUT IN

2-4:00..WENT ON VACUUM &amp; OPENED UP

5:00.....0....SHUT IN

6:00...SHUT IN

7:00...160..32/48

8:00.....10..32/48...7....CLEAN

9:00.....20..32/48..31....TR

10:00.....3...32...2....CLEAN

11:00.....3...32..34....CLEAN

12:00.....3...32...4....CLEAN

1:00.....3...32..27....CLEAN

2:00.....3...32...5....CLEAN

3:00.....3...32..22....CLEAN

4:00.....3...32...0....CLEAN

5:00.....3...32..25....CLEAN

6:00.....3...32...5....CLEAN

GAS RATE 0 MCF/D, TOTAL WTR 180 BBLS, TOTAL LTR 3000 BBLS.

REPORT DATE : 7/6/98 MD : 7,979 TVD : 0 DAYS : 18 MW : VISC :  
 DAILY : DC : \$0 CC : \$9,268 TC : \$9,268 CUM : DC : \$363,637 CC : \$242,500 TC : \$606,137

DAILY DETAILS : FCP 0. WELL DEAD. RIH W/RETR HEAD FOR RBP & 2 3/8" TBG. TAG FILL @ 5569'. ATTEMPT TO BRK CIRC W/200 BBLS 3% KCL WTR W/NO RETURNS. MIRU AIR FOAM UNIT. BRK CIRC W/FOAM. CIRC OUT SD FROM 5569' TO RBP @ 5610'. CIRC HOLE CLEAN. REL RBP. FCP INCREASED FROM 200 PSI TO 500 PSI. BLEW DWN & KILLED WELL W/30 BBLS 3% KCL WTR. POOH & LD RBP. WELL KICKED OFF. TURNED OVER TO FLOW BACK CREW. BBLS FLUID PMPD DAILY 295, BBLS FLUID REC 410, BBLS LEFT TO REC DAILY -115, CUM 3070.

## FLOW BACK REPORT

TIME...CP...CH...WTR...CLEAN

6....60...32/48

7....40...48...65....CLEAN

8....40...32...56....CLEAN

9....50...32...54....CLEAN

10..70...32...47....CLEAN

11..80...32...45....CLEAN

12..90...32...50....CLEAN

1...90...32...35....CLEAN

2...60...32...20....CLEAN

3...60...32...20....CLEAN

4...50...48...23....CLEAN

5...40...48...15....CLEAN

6...40...48...18....CLEAN

GAS RATE 200 MCF/D, TOTAL WTR 448 BBLS, TOTAL LTR 2625 BBLS.



**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/7/98 MD : 7,979 TVD : 0 DAYS : 19 MW : VISC :  
 DAILY : DC : \$0 CC : \$17,162 TC : \$17,162 CUM : DC : \$363,637 CC : \$259,662 TC : \$623,299

DAILY DETAILS : FCP 40 PSI. OPEN CHOKE. BLOW DWN & KILL WELL W/40 BBLS 3% KCL WTR. RIH W/RETRIEVING HEAD FOR RBP & 2 3/8" TBG. TAG FILL @ 6267'. RU AIR FOAM UNIT & SWIVEL. BRK CIRC W/FOAM. CIRC OUT SAND FROM 6287' TO RBP @ 6310'. CIRC HOLE CLEAN. RELEASED RBP. FCP 50PSI BEFORE & AFTER RBP. REL. KILL TBG W/20 BBLS 3% KCL WTR. POOH TO 2000' +/- . KILL WELL W/40 BBLS 3% KCL WTR. FIN POOH & LD RBP. RIH W/RET HEAD FOR RBP & TBG. TAG FILL @ 6955'. BRK CIRC W/FOAM. CIRC OUT SAND 6955' TO RBP @ 6890'. CIRC HOLE CLEAN. REL RBP FCP INC FROM 50 PSI TO 150 PSI WHEN RBP RELEASED. KILL TBG W/20 BBLS KCL WTR. POOH TO 2000' +/- . KILL WELL W/50 BBLS KCL WTR. FIN POOH & LD RBP. TURNED WELL OVER TO FLOW BACK CREW. BBLS FLUID PMPD DAILY 220, BBLS FLUID REC 628, BBLS LEFT TO REC DAILY -408, CUM 2662.

FLOW BACK REPORT  
 TIME....CP....CH....WTR....SD

9AM..250....48....32....T  
 10....250....32..122....T  
 11....410....20....45....-  
 12....440....20....9....-  
 1PM..430....20....10....-  
 2....420....20....11....-  
 3....430....32....23....-  
 4....420..32/48..52....-  
 5....310..32/48..81....-.....FULL OPEN TO TANK  
 6....160..OPEN..102....-.....FULL OPEN TO TANK.

GAS RATE 400 MCF/D, TOTAL WTR 487 BBLS, TOTAL LTR 2115 BBLS.

REPORT DATE : 7/8/98 MD : 7,979 TVD : 0 DAYS : 20 MW : VISC :  
 DAILY : DC : \$0 CC : \$28,857 TC : \$28,857 CUM : DC : \$363,637 CC : \$288,519 TC : \$652,156

DAILY DETAILS : FCP 100 PSI. OPEN CHOKE. KILL WELL W/50 BBLS 35 KCL WTR. RIH W/NC, 1 JT TBG & 2 3/8" TBG. TAG FILL @ 7856' (213' BELOW BTM PERF). PU & LAND TBG - 236 JTS W/EOT @ 7642'. NC ON BTM & PSN 1 JT UP @ 7608'. ND BOP. NU WH. HOOK UP FLOW LINE FROM TBG TO FLOW BACK TANK. WELL KICKED OFF, FLOWED 22 BBLS WTR IN 2 HRS ON OPEN CHOKE. THEN DIED. SICP 1100 PSI, RU SWB. MADE 7 RUNS. REC 16 BBLS WTR. IFL @ 1500'. FFL SCATTERED TO SURF. SICP 1300 PSI. WELL KICKED OFF. RD SWB. SDFN. TURNED WELL OVER TO FLOW BACK CREW. BBLS FLUID PMPD DAILY 50, BBLS FLUID REC 525, BBLS LEFT TO REC DAILY -475, CUM 2187.

FLOW BACK REPORT  
 TIME....CP....TP....CH...WTR....SD

6....1250....160....48  
 7....1120....120....48....56....NO  
 8....1100....100....48....45....NO  
 9....1090....190....48....36....NO  
 10..1040....140....48....38....NO  
 11..1030....190....32....38....NO  
 12..1070....290....28....16....NO  
 1....1120....290....20....16....NO  
 2....1180....290....20....7....NO  
 3....1220....260....20....10....NO  
 4....1240....220....32....14....NO  
 5....1220....290....32....22....NO  
 6....1180....440....32....27....NO

GAS RATE 700 MCF/D, TOTAL WTR 325 BBLS, TOTAL LTR 1862 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/9/98 MD : 7,979 TVD : 0 DAYS : 21 MW : VISC :  
 DAILY : DC : \$0 CC : \$320 TC : \$320 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : RDMO TEMPLES WELL SERVICE RIG #1

FLOW BACK REPORT

TIME....CP....TP....CH....WTR

5PM..1000....290....30....229....CLEAN....WTR FROM 6:00 AM

6.....1000....310....30.....9

7.....1010....320....30....11

8.....1010....310....30....13.....REMOVED CHOKE

9.....900....100....OPEN..25

10.....890....170....OPEN..23....INSTALL 32 CHOKE

11.....880....170....32....22

12.....940....270....20....18

1AM..1000....350....20....14

2.....1020....410....20....7

3.....1030....430....20....7

4.....1040....440....20....14

5.....1050....450....20....13

6.....1060....460....20....7

GAS RATE 750 MCF/D, TOTAL WTR 412 BBLS, TOTAL LTR 1450 BBLS.

REPORT DATE : 7/10/98 MD : 7,979 TVD : 0 DAYS : 22 MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : FLOW BACK REPORT

TIME....CP....TP....CH....WTR....SAND

9:00 PM....1060....410....20/64....12....T

6:00 AM....1060....440....20/64....10....-

GAS RATE 750 MCF/D, TOTAL WTR 264 BBLS, TOTAL LTR 1186 BBLS.

REPORT DATE : 7/11/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : FLWG 350 MCF, 240 BW, FTP 350#, CP 1100#, 20/64" CK, 24 HRS, ON SALES 9:00 AM 7/10/98.

REPORT DATE : 7/12/98 MD : 7,979 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : FLWG 378 MCF, 210 BW, FTP 440#, CP 1160#, 31/64" CK, 24 HRS.

REPORT DATE : 7/13/98 MD : 7,979 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : FLWG 442 MCF, 177 BW, FTP 438#, CP 1020#, 64/64" CK, 24 HRS, LLTR 559 BBLS.

REPORT DATE : 7/14/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : FLWG 430 MCF, 230 BW, FTP 420#, CP 990#, 31/64" CK, 24 HRS.

**PERC****WELL CHRONOLOGY REPORT**

**REPORT DATE : 7/15/98**    MD : 7,979    TVD : 0    DAYS : 23    MW :    VISC :  
 DAILY : DC : \$0    CC : \$7,543    TC : \$7,543    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
 DAILY DETAILS : RU DOWELL TO 8 5/8-4 1/2 CSG ANNULUS F/TOP DWN JOB. PMP 10 BBL LCM PILL. LEAD W/65  
 SXS CL "G" W/ADD. WT 11.5, YIELD 3.18. TAIL W/190 SX CL "G" W/ADD WT 11.5, YIELD 3.15.  
 FLUSH W/1 BBL H2O. ISIP 0 PSI, MP 0 PSI @ 3 BPM, AP 0 PSI @ 2 BPM. WASH UP & RD DOWELL.  
 OPEN CSG VALVE ON VACUUM.

**REPORT DATE : 7/16/98**    MD : 7,979    TVD :    DAYS :    MW :    VISC :  
 DAILY : DC : \$0    CC : \$0    TC : \$0    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
 DAILY DETAILS : FLWG 450 MCF, 190 BW, FTP 100#, CP 975#, 31/64" CK, 14 HRS, LOGGED OFF 10 HRS.

**REPORT DATE : 7/17/98**    MD : 7,979    TVD :    DAYS :    MW :    VISC :  
 DAILY : DC : \$0    CC : \$0    TC : \$0    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
 DAILY DETAILS : FLWG 587 MCF, 156 BW, FTP 300#, CP 830#, 48/64" CK, 19.5 HRS, LOGGED OFF 4.5 HRS.

**REPORT DATE : 7/18/98**    MD : 7,979    TVD :    DAYS :    MW :    VISC :  
 DAILY : DC : \$0    CC : \$0    TC : \$0    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
 DAILY DETAILS : FLWG 725 MCF, 215 BW, FTP 320#, CP 770#, 48/64" CK.

**REPORT DATE : 7/19/98**    MD : 7,979    TVD : 0    DAYS :    MW :    VISC :  
 DAILY : DC : \$0    CC : \$0    TC : \$0    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
 DAILY DETAILS : FLWG 736 MCF, 187 BW, FTP 300#, CP 750#, 48/64" CK.

**REPORT DATE : 7/20/98**    MD : 7,979    TVD :    DAYS :    MW :    VISC :  
 DAILY : DC : \$0    CC : \$0    TC : \$0    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
 DAILY DETAILS : FLWG 727 MCF, 155 BW, FTP 300#, CP 740#, 48/64" CK.

**REPORT DATE : 7/21/98**    MD : 7,979    TVD :    DAYS :    MW :    VISC :  
 DAILY : DC : \$0    CC : \$0    TC : \$0    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
 DAILY DETAILS : FLWG 660 MCF, 151 BW, FTP 245#, CP 700#, 48/64" CK.

**REPORT DATE : 7/22/98**    MD : 7,979    TVD : 0    DAYS : 24    MW :    VISC :  
 DAILY : DC : \$0    CC : \$5,300    TC : \$5,300    CUM : DC : \$363,637    CC : \$301,682    TC : \$665,319  
 DAILY DETAILS : RAN SPECTRASCAN LOG W/PROTECHNICS 4800-7822'. MI DELSCO. MADE 2 SWB RUNS.  
 KICKED OFF WELL. IFL 5600, ICP 900, FFL 3600, FCP 850, FTP 575. PUT ON PROD. IP DATE:  
 7/19/98 - FLWD 736 MCF, 187 BW, FTP 300#, CP 750#, 48/64" CK. -- FINAL REPORT --

## STATE OF UTAH

## DIVISION OF OIL, GAS AND MINING

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL ☐ WELL GAS ☒ WELL DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW ☒ WELL WORK ☐ OVER DEEP- ☐ EN PLUG ☐ BACK DIFF. ☐ RESVR Other \_\_\_\_\_

## 2. NAME OF OPERATOR

Coastal Oil &amp; Gas Corporation

## 3. ADDRESS OF OPERATOR

P.O. Box 749, Denver, CO 80201-0749

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

951' FSL &amp; 1784' FWL

At top prod. interval reported below

Same as above

At total depth

Same as above

## 14. API NO.

43-047-33094

## DATE ISSUED

4/30/98

## 5. LEASE DESIGNATION AND SERIAL NO.

ML-22265

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

## 7. UNIT AGREEMENT NAME

N/A

## 8. FARM OR LEASE NAME

Morgan State

## 9. WELL NO.

#15-36

## 10. FIELD AND POOL, OR WILDCAT

Natural Buttes Field

## 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Lot 3(SESW)Section 36-T9S-R21E

## 12. COUNTY

Uintah

## 13. STATE

Utah

## 15. DATE SPUDDED

6/5/98

## 16. DATE T.D. REACHED

6/22/98

## 17. DATE COMPL.

7/16/98

(Ready to prod.)

or

(Plug &amp; Abd.)

## 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

5025 GR

## 19. ELEV. CASINGHEAD

## 20. TOTAL DEPTH, MD &amp; TVD

8024'

## 21. PLUG, BACK T.D., MD &amp; TVD

7979'

## 22. IF MULTIPLE COMPL., HOW MANY

## 23. INTERVALS DRILLED BY

## ROTARY TOOLS

YES

## CABLE TOOLS

## 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)

Mesaverde 7268'-7643'; Wasatch 6580'-6940'; 5960'-6274'; 5020'-5564'

## 25. WAS DIRECTIONAL SURVEY MADE

Single Shot

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

HALS/LDT/CNL/GR/CAL, GR/CCL/CBL

6-30-98

27. Was Well Cored  
Drill System TestYES ☐ NO ☒ (Submit analysis)YES ☐ NO ☒ (See reverse side)

## 28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8" J-55	24#	252'	11"	See Chrono 6/7/98	
4 1/2" N-80	11.6#	8023'	7 7/8"	See Chrono 6/23/98	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	7642'	

## 31. PERFORATION RECORD (Interval, size and number)

(3SPF): 7268, 7276, 7382, 7424, 7434, 7643-18 Holes

(3SPF): 6940, 6939, 6582, 6581, 6580-15 Holes

(3SPF): 6274, 6273, 6109, 6012, 5960-15 Holes

(3SPF): 5564, 5547, 5514, 5513, 5020-15 Holes

## 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7268'-7643'	See Chrono 7/3/98
6580'-6940'	See Chrono 7/4/98
5960'-6274'	See Chrono 7/5/98
5020'-5564'	See Chrono 7/5/98

## 33. PRODUCTION

DATE FIRST PRODUCTION 7/3/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 7/19/98	HOURS TESTED 24	CHOKE SIZE 48/64"	PROD'N. FOR TEST PERIOD →	OIL - BBL. 0	GAS - MCF. 736	WATER - BBL. 187	GAS - OIL RATIO
FLOW. TUBING PRESS. 300#	CASING PRESSURE 750#	CALCULATED 24-HOUR RATE →	OIL - BBL. 0	GAS - MCF. 736	WATER - BBL. 187	OIL GRAVITY - API (CORR.)	

## 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

## TEST WITNESSED BY

## 35. LIST OF ATTACHMENTS

Chronological History

## 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Sheila Bremer

Sheila Bremer

TITLE Environmental &amp; Safety Analyst

DATE 7/30/98

See Spaces for Additional Data on Reverse Side

# INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachment. ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details for any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
				Wasatch	4580'	4580'
				Mesaverde	7212'	7212'

**PERC****WELL CHRONOLOGY REPORT****WELL NAME : MORGAN STATE #15-36**FIELD : NATURAL BUTTESCOUNTY & STATE : UINTAHWI% : AFE# : 27992DHC : CWC :API# : 43-047-33094

AFE TOTAL :

DISTRICT : DRLG

LOCATION :

CONTRACTOR : COASTALDRIL

PLAN DEPTH :

FORMATION :

SPUD DATE : 6/5/98**REPORT DATE : 6/7/98**MD : 255TVD : 0DAYS : 0

MW :

VISC :

DAILY : DC : \$14,444CC : \$0TC : \$14,444CUM : DC : \$14,444CC : \$0TC : \$14,444

DAILY DETAILS : 6/5/98 MU AND RU BILL MARTIN DRLG AND DRILL 255' OF 11" HOLE AND RAN 6 JTS 8 5/8" 24# J55 CSG WITH HOWCO SHOE TOTAL 252.25 CMT WITH HALLIBURTON; PUMPED 20 BBLs GEL WATER AHEAD OF 100 SK PAG WITH 2% CACL2 AND 1/4 #/SK FLOCELE; WT 15.6; YLD 1.18; DROP PLUG AND DISPLACE WITH 14 BBLs WATER CMT TO SURFACE; HOLE FULL NOTIFIED ED FORSMAN BLM SPUD 0900 6/5/98

**REPORT DATE : 6/12/98**MD : 329TVD : 0DAYS : 0

MW :

VISC :

DAILY : DC : \$31,296CC : \$0TC : \$31,296CUM : DC : \$45,740CC : \$0TC : \$45,740

DAILY DETAILS : RD MOVE RIG ; RU TEST BOP RECHARGE HYDRILL; PU BHA PU BHA; START AIR PACKAGE; INSTALL ROTATING HEAD AND DRIVE BUSHINGS DRLG CMT AND SHOE; DRLG 263-329'

**REPORT DATE : 6/13/98**MD : 1,855TVD : 0

DAYS :

MW : 8.4VISC : 27DAILY : DC : \$35,189CC : \$0TC : \$35,189CUM : DC : \$80,929CC : \$0TC : \$80,929

DAILY DETAILS : DRILLING SURVEYS DRILLING RIG SERV AND SURVEY DRILLING WATER @ 1555'

**REPORT DATE : 6/14/98**MD : 2,916TVD : 0DAYS : 2

MW :

VISC :

DAILY : DC : \$9,917CC : \$0TC : \$9,917CUM : DC : \$90,845CC : \$0TC : \$90,845

DAILY DETAILS : DRLG 1855-1870' SURVEY AT 1826' DRLG 1870-2356' SURVEY AT 2312' DRLG 2356-2854' SURVEY AT 2810' DRLG 2854-2916'

**REPORT DATE : 6/15/98**MD : 3,705TVD : 0DAYS : 3

MW :

VISC :

DAILY : DC : \$11,921CC : \$0TC : \$11,921CUM : DC : \$102,766CC : \$0TC : \$102,766

DAILY DETAILS : DRLG 2916-3349' SURVEY AT 3305' DRLG 3349-3569' SURVEY AT 3525' DRLG 3569-3916'

**REPORT DATE : 6/16/98**MD : 4,622TVD : 0DAYS : 4

MW :

VISC :

DAILY : DC : \$10,467CC : \$0TC : \$10,467CUM : DC : \$113,232CC : \$0TC : \$113,232

DAILY DETAILS : DRLG 3705-4002' REMOVE AIR COMPRESSOR FROM COMPOUND RIG MAINTENANCE DRLG 4002-4154' SVY 4110' 2 1/4 DEG DRLG 4154-4622'

**REPORT DATE : 6/17/98**MD : 5,397TVD : 0DAYS : 5

MW :

VISC :

DAILY : DC : \$20,381CC : \$0TC : \$20,381CUM : DC : \$133,613CC : \$0TC : \$133,613

DAILY DETAILS : DRLG 4622-4654' TRIP FOR BIT CHANGE CHANGE OUT OIL COOLER #1 MOTOR TRIP IN DRLG 4654-4966' RIG MAINTENANCE DRLG 4966-5060' WORK ON DERRICK LIGHTS DRLG 5060-5150' SURVEY AT 5106' DRLG 5150-5397' BREAKS 4812-4827' 4862-4905' 4970-5001' 5089-5109' 5244-5265'



**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 6/18/98 MD : 6,442 TVD : 0 DAYS : 6 MW : VISC :  
 DAILY : DC : \$12,816 CC : \$0 TC : \$12,816 CUM : DC : \$146,429 CC : \$0 TC : \$146,429  
 DAILY DETAILS : DRLG 5397-5642' SURVEY AT 5598' DRLG 5642-6164' SURVEY AT 6121' DRLG 6164-6442'  
 DRLG BREAKS 5316-5336' 5344-5364' 5400-5428' 5443-5459' 5463-5486' 5574-5599'  
 5675-5695' 5772-5782' 5828-5834' 5947-5957' 6069-6085' 6249-6306'

REPORT DATE : 6/19/98 MD : 6,990 TVD : 0 DAYS : 7 MW : VISC :  
 DAILY : DC : \$24,633 CC : \$0 TC : \$24,633 CUM : DC : \$171,063 CC : \$0 TC : \$171,063  
 DAILY DETAILS : DRLG 6442-6568' SURVEY AT 6524' WORK ON AIR PACKAGE DRLG 6568-6691' RIG  
 MAINTENANCE DRLG 6691-6786' UNLOAD HOLE DRLG 6786-6990' BREAKS 6249-6306'  
 6410-6444' 6866-6881' 6885-6896' 6939-6951'

REPORT DATE : 6/20/98 MD : 7,330 TVD : 0 DAYS : 8 MW : 8.4 VISC : 27  
 DAILY : DC : \$17,541 CC : \$0 TC : \$17,541 CUM : DC : \$188,603 CC : \$0 TC : \$188,603  
 DAILY DETAILS : POOH FOR BIT #3 FIX AIR LEAK POOH FOR BIT #3 MAKE UP BIT; FUNCTION TEST PIPE  
 AND BLIND RAMS OK; TIH WITH BIT #3 FILL PIPE; WASH AND REAM 20' OF FILL TO BOTTOM  
 DRLG 6990-7126' SURVEY AT 7082' DRLG 7126-7330'

REPORT DATE : 6/21/98 MD : 7,868 TVD : 0 DAYS : 9 MW : 8.4 VISC : 28  
 DAILY : DC : \$21,241 CC : \$0 TC : \$21,241 CUM : DC : \$209,844 CC : \$0 TC : \$209,844  
 DAILY DETAILS : DRLG 7330-7653' SURVEY AT 7609' RIG MAINTENANCE DRLG 7653-7868' DRLG BREAKS  
 7373-7386' 7408-7429' 7636-7641' 7717-7740' 7774-7794'

REPORT DATE : 6/22/98 MD : 8,024 TVD : 0 DAYS : 10 MW : 8.5 VISC : 28  
 DAILY : DC : \$27,942 CC : \$0 TC : \$27,942 CUM : DC : \$237,787 CC : \$0 TC : \$237,787  
 DAILY DETAILS : DRLG 7868-8000' CIRC FOR SHORT TRIP DRLG 8000-8010' SPOT BRINE DROP SURVEY;  
 TRIP OUT FOR LOGS AT 7980' SLM 8026.95 RU AND LOG WITH SCHLUMBERGER; LOGGER  
 DEPTH 8024' RIG DOWN LOGGERS; FUNCTION TEST BOPS TIH WITH BHA - 39 STDS RU  
 WESTATES; LAY DOWN TRUCK LAY DOWN DP

REPORT DATE : 6/23/98 MD : 8,024 TVD : 0 DAYS : 11 MW : VISC :  
 DAILY : DC : \$125,850 CC : \$0 TC : \$125,850 CUM : DC : \$363,637 CC : \$0 TC : \$363,637  
 DAILY DETAILS : LD DRILL PIPE RU WESTATES CSG CREW; RUN 182 JT 4 1/2" N80 CSG TO 8023' KB; RUN 30  
 CENT OVER PRODUCTION ZONES AND TRONA ZONE CIRC 15' FILL AND COND HOLE RU  
 DOWELL TO CMT WITH 10 BBL 40# SPACERS 80 BBL WATER WITH SURFACTANT MIX 365 SX (971  
 FT) LEAD CMT MIX 1560 SX (1841 FT) TAIL CEMENT ; RECIP PIPE FIRST HOUR 15-20' PULLING 110  
 M ; STOP; DROP PLUG DISPLACE WITH 123 BBL H2O; BUMP PLUG 500 PSI OVER LIFT PRESS OF  
 2086 PSI; GOOD LIFT PRESS; POOR RETURNS SET SLIPS WITH 94000# TENSION; ND; CUT OFF;  
 CLEAN PITS RELEASE RIG AT 8:30 PM 6/22/98; MOVE TO MS #16-36

REPORT DATE : 6/24/98 MD : 8,024 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$0 TC : \$363,637  
 DAILY DETAILS : FROM 6/24/98 TO 6/29/98 WAITING ON COMPLETION.

**PERC****WELL CHRONOLOGY REPORT**

**REPORT DATE : 6/30/98** MD : 7,982 TVD : 0 DAYS : 12 MW : VISC :  
 DAILY : DC : \$0 CC : \$5,010 TC : \$5,010 CUM : DC : \$363,637 CC : \$5,010 TC : \$368,647  
 DAILY DETAILS : MI & RU TEMPLES WELL SERVICE RIG #1. NDWH. NU BOP. PU & RIH W/3 7/8" MILL, CSG  
 SCRAPER & 2 3/8" TBG. TAG PBTD @ 7979'. CIRC HOLE W/150 BBLS FILTERED 3% KCL WTR.  
 POOH TO 7638'. SDFN.

**REPORT DATE : 7/1/98** MD : 7,979 TVD : 0 DAYS : 13 MW : VISC :  
 DAILY : DC : \$0 CC : \$12,335 TC : \$12,335 CUM : DC : \$363,637 CC : \$17,345 TC : \$380,982  
 DAILY DETAILS : RU DOWELL. SPOT 7 BBLS 15% HCL ACROSS INTERVAL 7268-7643'. RD DOWELL. POOH W/TBG.  
 LD MILL & SCRPER. ND BOP. NU FRAC VALVE. RU SCHL. RAN GR-CCL-CBL FROM LTD @ 7976'  
 TO 4400' & FROM 2800' TO 1900'. GOOD BOND FROM TD TO 5100' +/-, FAIR BOND FROM 5100' TO  
 4400'. TOC @ 2110'. PT 4 1/2" CSG & FRAC VALVE TO 5000 PSI - OK. PMP DWN 8 5/8" - 4 1/2"  
 CSG ANN 4 BPM @ 100 PSI. PERF MESAVERDE 3 SPF, 120 DEG PHASING W/3 1/8" SELECT FIRE  
 GUN AS FOLLOWS: 7268, 7276, 7382, 7424, 7434, 7643 (TOTAL 18 HOLES) SICP 0 BEFORE 7  
 AFTER PERF. RD SCHL. SDFN.

**REPORT DATE : 7/2/98** MD : 7,979 TVD : 0 DAYS : 14 MW : VISC :  
 DAILY : DC : \$0 CC : \$74,635 TC : \$74,635 CUM : DC : \$363,637 CC : \$91,980 TC : \$455,617  
 DAILY DETAILS : MI & RU DOWELL FRAC EQUIPMENT CONSTRUCTION COSTS OF \$73,740 ADDED IN THIS DAY.

**REPORT DATE : 7/3/98** MD : 7,979 TVD : 0 DAYS : 15 MW : VISC :  
 DAILY : DC : \$0 CC : \$17,763 TC : \$17,763 CUM : DC : \$363,637 CC : \$109,743 TC : \$473,380  
 DAILY DETAILS : FIN RU DOWELL FRAC EQUIP. HOLD SAFETY MEETING. PT LINES TO 6000 PSI. BREAK DWN  
 MESAVERDE PERFS 7268-7643' @ 2276 PSI. PMPD INJ TEST. CALC 16 PERFS OPEN. FRAC  
 W/8014 GAL YF-125LGM PAD + 39467 GAL YF-120 LGM W/97,000# 20/40 SD RAMPED 2-4 PPG + 20,  
 000# 20/40 RESIN COATED SAND 2-4 PPG. AIR 29 BPM @ 3000 PSI. MAX RATE & PRESS 30 BPM  
 & 3950 PSI. ISIP 2050 PSI. RU SCHL. RIH W/RBP & PERF GUN. COULD NOT GO BELOW 5559'.  
 POOH W/RBP & PERF GUN. FLWD WELL 2 HRS ON 20/64" CK. REC 175 BBLS WTR & ACID, FCP  
 1000 PSI, NO GAS. RIH W/RBP & PERF GUN. COULD NOT GO BELOW 5559'. POOH & RD SCHL.  
 RESUME FLOW BACK ON 20/64" CK. TURNED WELL OVER TO FLOW BACK CREW.  
 1ST 60,000# SD TRACED W/21 MCL SB-124.  
 2ND 37,000# SD TRACED W/13 MCL SC-46.  
 3RD 20,000# RC SD TRACED W/9 MCL IR-192. BBLS FLUID PMPD DAILY 1248, BBLS FLUID REC  
 175, BBLS LEFT TO REC 1073  
 FLOW BACK REPORT  
 TIME....CP....CH....WTR....SD  
 1:30 PM....OPENED UP  
 4....375....20....36....L  
 5....310....20....38....L  
 6....275....20....56....L  
 7....320....20....40....L  
 8....310....20....34....L  
 9....310....20....25....L  
 10....310....20....29....L  
 11....310....20....20....L  
 12....310....20....25....L  
 1....310....20....25....L  
 2....310....20....25....L  
 3....420....26....34....L  
 4....490....32....52....L  
 5....570....48....65....L  
 6....380....48....77....M  
 GAS RATE 1.5 MCF/D, TTOAL WTR 581 BBLS, TOTAL LTR 492 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/4/98 MD : 7,979 TVD : 0 DAYS : 16 MW : VISC :  
 DAILY : DC : \$0 CC : \$3,988 TC : \$3,988 CUM : DC : \$363,637 CC : \$113,731 TC : \$477,368

DAILY DETAILS : CP 200 PSI ON OPEN CHK. NU BOP & FLOOR EQUIP. KILL CSG W/125 BBLS 3% KCL WTR. PU NEW 3 7/8" MILL & 4 1/2" CSG SCRAPER 1 JT, SN, 170 JTS. RU POWER SWIVEL & ROTATED & WORK TBG FROM 5529-5593'. DID NOT FEEL ANY THING. POOH W/TBG, SCRAPER & MILL. ND BOP. RU SCHL. RIH W/4 1/2" ARROW WL. SET LONG-STEM RBP. SET RBP #1 @ 6990'. RIH W/3 1/8 SELECT GUN LOADED 3 SPF, 120 PHASING (.34" HOLE) & PERF LOWER WASATCH STAGE #2 AS FOLLOWS: 6940, 6939, 6582, 6581, 6580, 15 HOLES TOTAL. NO PRESS CHG BEFORE OR AFTER. RD WL SERVICE & RU DOWELL. HELD SAFETY MEETING. PT LINES TO 6020. BRK DWN PERFS 6580-6940'. BREAK @ 3689 PSI @ 2.8 BPM RAMPING RATE TO 17.0 BPM @ 4866 PSI. ISIP 1650 PSI CAL # OF PERFS OPEN 7 HOLES. FRAC STAGE #2 6580-6940' DWN 4.5 CSG. PMPD 7 BBLS 15% HCL ACID W/45,000 LBS OF 20/40 SD, 10,000 LBS OF RESIN COATED SAND W/598 BBLS OF GEL FLUID. MAX PSI 5000, AVG 3841 PSI, ISIP 2124 PSI. MAX RATE 30 BPM. FINAL RATE 24 BPM, LTR 598 BBLS. RU SCHL. RIH W/3 1/8 FIRE GUN 3 SPF, 120 PHASING & 4-1/2 ARROW WL SET LONG STEM RBP. SET RBP #2 @ 6310. PERF'D WASATCH #3 AS FOLLOWS: 6274, 6273, 6109, 6012, 5960, 15 HOLES TOTAL. RD WLS. SDFN.

REPORT DATE : 7/5/98 MD : 7,979 TVD : 0 DAYS : 17 MW : VISC :  
 DAILY : DC : \$0 CC : \$119,501 TC : \$119,501 CUM : DC : \$363,637 CC : \$233,232 TC : \$596,869

DAILY DETAILS : SICP 250 PSI. PT LINES TO 6000 PSI. HELD SAFETY MEETING. FRAC STAGE #3. BRK DWN PERFS 5960-6274' @ 2880 PSI RAMPING TO 24 BPM @ 3278 PSI. SD & CAL PERFS OPEN 13 HOLES. ISIP 1350 SI. PMP 35000# 20/40 SD DWN 4 1/2 CSG & 10000# RESIN COATED SD W/19782 GALS FRAC FLUID. SPOT 7 BBLS 15% HCL ACID. MAX PSI 4033, AVG PSI 2920, MAX RATE 30 BPM, AVG 29 BPM, ISIP 1419 PSI, STAGE #3 COMPLETE. RU WL SERV & RIH W/3 1/8 SELECT FIRE GUN & 4 1/2 ARROW RBP. SET RBP #3 @ 5610'. PERF WASATCH AS FOLLOWS: 5564, 5547, 5514, 5513, 5020 (15 HOLES). NO PRESS CHG BEFORE OR AFTER. RD WL SERV. FRAC STAGE #4 BRK DWN PERFS (5020-5564'). BREAK @ 4500 PSI @ 11 BPM. SD TO CAL PERFS OPEN, 12 PERFS OPEN. ISIP 1448 PSI. PMP 65400# 20/40 SD & 20000# RC SD DWN 4 1/2 CSG 38556 GALS GEL FLUID. MAX PSI 4425, AVG 2356, MAX RATE 31 BPM, AVG 28 BPM ISIP 1103, 5 MIN 993, 10 MIN 888, 15 MIN 819, 30 MIN 525. STAGE #4 COMPLETE. RD DOWELL. WELL FLWG ON 13/64 CHK W/FLOW BACK CREW. 1ST 24000# SD TRACED W/9 MCL SB=124, 2RD 11.

## FLOW BACK REPORT

TIME....CP....CH....WTR....SD

12:30..525....13

1:00....150....32....18....TR

1:30.....0....SHUT IN

2-4:00..WENT ON VACUUM &amp; OPENED UP

5:00.....0....SHUT IN

6:00....SHUT IN

7:00....160..32/48

8:00.....10..32/48....7....CLEAN

9:00.....20..32/48..31....TR

10:00.....3....32....2....CLEAN

11:00.....3....32..34....CLEAN

12:00.....3....32....4....CLEAN

1:00.....3....32..27....CLEAN

2:00.....3....32....5....CLEAN

3:00.....3....32..22....CLEAN

4:00.....3....32....0....CLEAN

5:00.....3....32..25....CLEAN

6:00.....3....32....5....CLEAN

GAS RATE 0 MCF/D, TOTAL WTR 180 BBLS, TOTAL LTR 3000 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/6/98 MD : 7,979 TVD : 0 DAYS : 18 MW : VISC :  
 DAILY : DC : \$0 CC : \$9,268 TC : \$9,268 CUM : DC : \$363,637 CC : \$242,500 TC : \$606,137

DAILY DETAILS : FCP 0. WELL DEAD. RIH W/RETR HEAD FOR RBP & 2 3/8" TBG. TAG FILL @ 5569'. ATTEMPT TO BRK CIRC W/200 BBLS 3% KCL WTR W/NO RETURNS. MIRU AIR FOAM UNIT. BRK CIRC W/FOAM. CIRC OUT SD FROM 5569' TO RBP @ 5610'. CIRC HOLE CLEAN. REL RBP. FCP INCREASED FROM 200 PSI TO 500 PSI. BLEW DWN & KILLED WELL W/30 BBLS 3% KCL WTR. POOH & LD RBP. WELL KICKED OFF. TURNED OVER TO FLOW BACK CREW. BBLS FLUID PMPD DAILY 295, BBLS FLUID REC 410, BBLS LEFT TO REC DAILY -115, CUM 3070.

FLOW BACK REPORT  
 TIME...CP...CH...WTR...CLEAN  
 6....60....32/48

7....40....48....65....CLEAN  
 8....40....32....56....CLEAN  
 9....50....32....54....CLEAN  
 10..70....32....47....CLEAN  
 11..80....32....45....CLEAN  
 12..90....32....50....CLEAN  
 1....90....32....35....CLEAN  
 2....60....32....20....CLEAN  
 3....60....32....20....CLEAN  
 4....50....48....23....CLEAN  
 5....40....48....15....CLEAN  
 6....40....48....18....CLEAN

GAS RATE 200 MCF/D, TOTAL WTR 448 BBLS, TOTAL LTR 2625 BBLS.

REPORT DATE : 7/7/98 MD : 7,979 TVD : 0 DAYS : 19 MW : VISC :  
 DAILY : DC : \$0 CC : \$17,162 TC : \$17,162 CUM : DC : \$363,637 CC : \$259,662 TC : \$623,299

DAILY DETAILS : FCP 40 PSI. OPEN CHOKE. BLOW DWN & KILL WELL W/40 BBLS 3% KCL WTR. RIH W/RETRIEVING HEAD FOR RBP & 2 3/8" TBG. TAG FILL @ 6267'. RU AIR FOAM UNIT & SWIVEL. BRK CIRC W/FOAM. CIRC OUT SAND FROM 6287' TO RBP @ 6310'. CIRC HOLE CLEAN. RELEASED RBP. FCP 50PSI BEFORE & AFTER RBP. REL. KILL TBG W/20 BBLS 3% KCL WTR. POOH TO 2000' +/- . KILL WELL W/40 BBLS 3% KCL WTR. FIN POOH & LD RBP. RIH W/RET HEAD FOR RBP & TBG. TAG FILL @ 6955'. BRK CIRC W/FOAM. CIRC OUT SAND 6955' TO RBP @ 6890'. CIRC HOLE CLEAN. REL RBP FCP INC FROM 50 PSI TO 150 PSI WHEN RBP RELEASED. KILL TBG W/20 BBLS KCL WTR. POOH TO 2000' +/- . KILL WELL W/50 BBLS KCL WTR. FIN POOH & LD RBP. TURNED WELL OVER TO FLOW BACK CREW. BBLS FLUID PMPD DAILY 220, BBLS FLUID REC 628, BBLS LEFT TO REC DAILY -408, CUM 2662.

FLOW BACK REPORT  
 TIME...CP...CH...WTR...SD

9AM..250....48....32....T  
 10....250....32..122....T  
 11....410....20....45....-  
 12....440....20.....9....-  
 1PM..430....20....10....-  
 2.....420....20....11....-  
 3.....430....32....23....-  
 4.....420..32/48..52....-

5.....310..32/48..81....-FULL OPEN TO TANK

6.....160..OPEN..102....-FULL OPEN TO TANK.

GAS RATE 400 MCF/D, TOTAL WTR 487 BBLS, TOTAL LTR 2115 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/8/98 MD : 7,979 TVD : 0 DAYS : 20 MW : VISC :  
 DAILY : DC : \$0 CC : \$28,857 TC : \$28,857 CUM : DC : \$363,637 CC : \$288,519 TC : \$652,156

DAILY DETAILS : FCP 100 PSI. OPEN CHOKE. KILL WELL W/50 BBLS 35 KCL WTR. RIH W/NC, 1 JT TBG & 2 3/8" TBG. TAG FILL @ 7856' (213' BELOW BTM PERF). PU & LAND TBG - 236 JTS W/EOT @ 7642'. NC ON BTM & PSN 1 JT UP @ 7608'. ND BOP. NU WH. HOOK UP FLOW LINE FROM TBG TO FLOW BACK TANK. WELL KICKED OFF, FLOWED 22 BBLS WTR IN 2 HRS ON OPEN CHOKE. THEN DIED. SICP 1100 PSI, RU SWB. MADE 7 RUNS. REC 16 BBLS WTR. IFL @ 1500'. FFL SCATTERED TO SURF. SICP 1300 PSI. WELL KICKED OFF. RD SWB. SDFN. TURNED WELL OVER TO FLOW BACK CREW. BBLS FLUID PMPD DAILY 50, BBLS FLUID REC 525, BBLS LEFT TO REC DAILY -475, CUM 2187.

FLOW BACK REPORT  
 TIME....CP....TP....CH....WTR....SD

6....1250....160....48  
 7....1120....120....48....56....NO  
 8....1100....100....48....45....NO  
 9....1090....190....48....36....NO  
 10..1040....140....48....38....NO  
 11..1030....190....32....38....NO  
 12..1070....290....28....16....NO  
 1....1120....290....20....16....NO  
 2....1180....290....20....7....NO  
 3....1220....260....20....10....NO  
 4....1240....220....32....14....NO  
 5....1220....290....32....22....NO  
 6....1180....440....32....27....NO

GAS RATE 700 MCF/D, TOTAL WTR 325 BBLS, TOTAL LTR 1862 BBLS.

REPORT DATE : 7/9/98 MD : 7,979 TVD : 0 DAYS : 21 MW : VISC :  
 DAILY : DC : \$0 CC : \$320 TC : \$320 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : RDMO TEMPLES WELL SERVICE RIG #1

FLOW BACK REPORT  
 TIME....CP....TP....CH....WTR

5PM..1000....290....30....229....CLEAN....WTR FROM 6:00 AM  
 6.....1000....310....30.....9  
 7.....1010....320....30....11  
 8.....1010....310....30....13.....REMOVED CHOKE  
 9.....900....100..OPEN..25  
 10.....890....170..OPEN..23.....INSTALL 32 CHOKE  
 11.....880....170....32....22  
 12.....940....270....20....18  
 1AM..1000....350....20....14  
 2.....1020....410....20....7  
 3.....1030....430....20....7  
 4.....1040....440....20....14  
 5.....1050....450....20....13  
 6.....1060....460....20....7

GAS RATE 750 MCF/D, TOTAL WTR 412 BBLS, TOTAL LTR 1450 BBLS.

REPORT DATE : 7/10/98 MD : 7,979 TVD : 0 DAYS : 22 MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : FLOW BACK REPORT

TIME....CP....TP....CH....WTR....SAND  
 9:00 PM....1060....410....20/64....12....T  
 6:00 AM....1060....440....20/64....10....-

GAS RATE 750 MCF/D, TOTAL WTR 264 BBLS, TOTAL LTR 1186 BBLS.

REPORT DATE : 7/11/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476

DAILY DETAILS : FLWG 350 MCF, 240 BW, FTP 350#, CP 1100#, 20/64" CK, 24 HRS, ON SALES 9:00 AM 7/10/98.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 7/12/98 MD : 7,979 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476  
 DAILY DETAILS : FLWG 378 MCF, 210 BW, FTP 440#, CP 1160#, 31/64" CK, 24 HRS.

REPORT DATE : 7/13/98 MD : 7,979 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476  
 DAILY DETAILS : FLWG 442 MCF, 177 BW, FTP 438#, CP 1020#, 64/64" CK, 24 HRS, LLTR 559 BBLS.

REPORT DATE : 7/14/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$288,839 TC : \$652,476  
 DAILY DETAILS : FLWG 430 MCF, 230 BW, FTP 420#, CP 990#, 31/64" CK, 24 HRS.

REPORT DATE : 7/15/98 MD : 7,979 TVD : 0 DAYS : 23 MW : VISC :  
 DAILY : DC : \$0 CC : \$7,543 TC : \$7,543 CUM : DC : \$363,637 CC : \$296,382 TC : \$660,019  
 DAILY DETAILS : RU DOWELL TO 8 5/8-4 1/2 CSG ANNULUS F/TOP DWN JOB. PMP 10 BBL LCM PILL. LEAD W/65  
 SXS CL "G" W/ADD. WT 11.5, YIELD 3.18. TAIL W/190 SX CL "G" W/ADD WT 11.5, YIELD 3.15.  
 FLUSH W/1 BBL H2O. ISIP 0 PSI, MP 0 PSI @ 3 BPM, AP 0 PSI @ 2 BPM. WASH UP & RD DOWELL.  
 OPEN CSG VALVE ON VACUUM.

REPORT DATE : 7/16/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$296,382 TC : \$660,019  
 DAILY DETAILS : FLWG 450 MCF, 190 BW, FTP 100#, CP 975#, 31/64" CK, 14 HRS, LOGGED OFF 10 HRS.

REPORT DATE : 7/17/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$296,382 TC : \$660,019  
 DAILY DETAILS : FLWG 587 MCF, 156 BW, FTP 300#, CP 830#, 48/64" CK, 19.5 HRS, LOGGED OFF 4.5 HRS.

REPORT DATE : 7/18/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$296,382 TC : \$660,019  
 DAILY DETAILS : FLWG 725 MCF, 215 BW, FTP 320#, CP 770#, 48/64" CK.

REPORT DATE : 7/19/98 MD : 7,979 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$296,382 TC : \$660,019  
 DAILY DETAILS : FLWG 736 MCF, 187 BW, FTP 300#, CP 750#, 48/64" CK.

REPORT DATE : 7/20/98 MD : 7,979 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$363,637 CC : \$296,382 TC : \$660,019  
 DAILY DETAILS : FLWG 727 MCF, 155 BW, FTP 300#, CP 740#, 48/64" CK.



**PERC****WELL CHRONOLOGY REPORT**

**REPORT DATE : 7/21/98**    MD : 7,979    TVD :    DAYS :    MW :    VISC :  
DAILY : DC : \$0    CC : \$0    TC : \$0    CUM : DC : \$363,637    CC : \$296,382    TC : \$660,019  
DAILY DETAILS : FLWG 660 MCF, 151 BW, FTP 245#, CP 700#, 48/64" CK.

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**REPORT DATE : 7/22/98**    MD : 7,979    TVD : 0    DAYS : 24    MW :    VISC :  
DAILY : DC : \$0    CC : \$5,300    TC : \$5,300    CUM : DC : \$363,637    CC : \$301,682    TC : \$665,319  
DAILY DETAILS : RAN SPECTRASCAN LOG W/PROTECHNICS 4800-7822'. MI DELSCO. MADE 2 SWB RUNS.  
KICKED OFF WELL. IFL 5600, ICP 900, FFL 3600, FCP 850, FTP 575. PUT ON PROD. IP DATE:  
7/19/98 - FLWD 736 MCF, 187 BW, FTP 300#, CP 750#, 48/64" CK. -- FINAL REPORT --

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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

### SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4476

4. Location of Well

Footages: 951' FSL & 1784' FWL

QQ, Sec., T., R., M.: Lot 3 (SE/SW), Section 36-T9S-R21E

5. Lease Designation and Serial Number

ML-22265

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

N/A

8. Well Name and Number:

Morgan State #15-36

9. API Well Number:

43-047-33094

10. Field and Pool, or Wildcat

Natural Buttes Field

County: Uintah

State: Utah

#### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

##### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

##### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*  | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                   | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                                 | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                            | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                       | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other Cmt 8 5/8" -4 1/2" csg annulus |   |

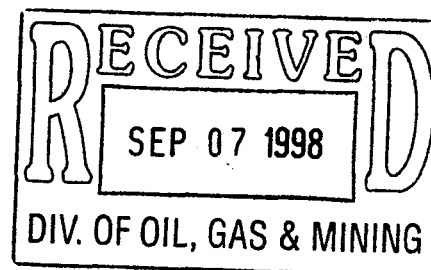
Date of work completion 8/27/98

Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached chronological well history for work performed on the subject well.



13.

Name & Signature

*Bonnie Carson*

Title

Bonnie Carson

Senior Environmental Analyst

Date

9/4/98

(This space for State use only)

THE COASTAL CORPORATION  
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

MORGAN STATE #15-36

Page 1

SESW Sec 36, T9S-R21E

Natural Buttes Field

Uintah County, Utah

WI: 100.0%

PERFS: 5020'-5564', 5960'-6274', 6580'-6940', 7268'-7643'

4 1/2" csg @ 8023' PBTD: 7981'

**Cmt 8-5/8" - 4-1/2" Csg Annulus**

08/27/98 **Well on production.** RU Dowell to 8-5/8" - 4-1/2" csg annulus f/2nd top dn job. Tail w/15 sx class "G" w/add, wt 11.5, yld 3.16. Flush w/1 BW. ISIP 180 psi, MP 348 psi @ 1.5 BPM, AP 200 psi @ 1.5 BPM. Wash up & RD Dowell. Open csg valve w/press. **Final Report.**  
DC: \$2,414 TC: \$2,414

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078 PHONE NUMBER: 435-789-4433

4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: \_\_\_\_\_

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner TITLE Vice President

SIGNATURE [Signature] DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner TITLE Vice President

SIGNATURE [Signature] DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
*Office of the Secretary of State*

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PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 13 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

## CERTIFICATE OF AMENDMENT

OF

## CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL &amp; GAS CORPORATION



David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH		4-KAS
2. CDW	<input checked="" type="checkbox"/>	5-LP <input checked="" type="checkbox"/>
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X**      **Merger**The operator of the well(s) listed below has changed, effective: **3-09-2001**

<b>FROM: (Old Operator):</b>
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

<b>TO: ( New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

**CA No.****Unit:****WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
WONSITS STATE 8-32	43-047-33681	99999	32-07S-22E	STATE	GW	APD
STATE 32 21 (CA 9C-204)	43-047-30754	120	32-08S-21E	STATE	GW	P
OURAY 32-88 (CA 9C-204)	43-047-33391	12870	32-08S-21E	STATE	GW	P
OURAY 32-89 (CA 9C-204)	43-047-33392	12754	32-08S-21E	STATE	GW	P
OURAY 32-146 (CA 9C-204)	43-047-33623	12862	32-08S-21E	STATE	GW	P
GLEN BENCH ST 12-36-8-21 (CA 9C-205)	43-047-33287	12549	36-08S-21E	STATE	GW	P
TRIBAL 31-60 (CA 84688C)	43-047-33340	12563	31-08S-22E	STATE	GW	P
STATE 31 32 (CA 84688C)	43-047-30906	175	31-08S-22E	STATE	GW	P
TRIBAL 31-98 (CA 84688C)	43-047-33375	12685	31-08S-22E	STATE	GW	P
TRIBAL 31-128 (CA 84688C)	43-047-33460	12722	31-08S-22E	STATE	GW	P
TRIBAL 31-129 (CA 84688C)	43-047-33461	12739	31-08S-22E	STATE	GW	P
TRIBAL 31-132 (CA 84688C)	43-047-33462	12776	31-08S-22E	STATE	GW	P
MORGAN STATE 1-36	43-047-30600	5445	36-09S-21E	STATE	GW	P
MORGAN STATE 2-36	43-047-32585	11927	36-09S-21E	STATE	GW	P
MORGAN STATE 3-36	43-047-32589	12002	36-09S-21E	STATE	GW	P
MORGAN STATE 4-36	43-047-32729	12068	36-09S-21E	STATE	GW	P
MORGAN STATE 5-36	43-047-32735	12069	36-09S-21E	STATE	GW	P
MORGAN STATE 15-36	43-047-33094	12384	36-09S-21E	STATE	GW	S
MORGAN STATE 16-36	43-047-33093	12407	36-09S-21E	STATE	GW	P
HELLS HOLE 9103	43-047-31870	11027	36-10S-25E	STATE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/10/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/10/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: N/A

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**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: 400JU0705

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**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: \_\_\_\_\_

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

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JAN. 17. 2003 3:34PM

WESTPORT

NO. 173

P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436  
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior  
Bureau of Land Management  
2850 Youngfield Street  
Lakewood, CO 80215-7093  
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203  
BLM Nationwide Bond 158626364  
Surety - Continental Casualty Company  
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.  
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.  
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.  
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,  
Westport Oil and Gas Company, L.P.

Debby J. Black  
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas  
410 Seventeenth Street, #2300 :  
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

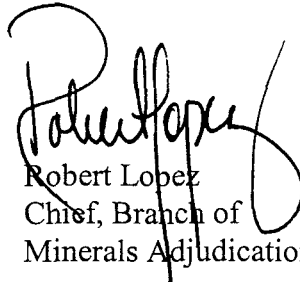
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405  
UTU-20895  
UTU-25566  
UTU-43156  
UTU-49518  
UTU-49519  
UTU-49522  
UTU-49523



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

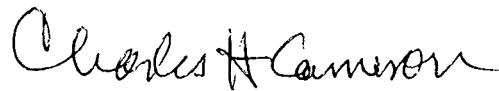
We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES  
Ute Energy & Mineral Resources Department: Executive Director  
chronos





# United States Department of the Interior

**BUREAU OF INDIAN AFFAIRS**

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:  
Real Estate Services

Carroll A. Wilson  
Principal Landman  
Westport Oil and Gas Company, L.P.  
1368 South 1200 East  
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

**ACTING**

Enclosure

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR:

9 Greenway Plaza

Houston

TX

77064-0995

PHONE NUMBER:

(832) 676-5933

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE	
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # \_\_\_\_\_

State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By: \_\_\_\_\_

Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT) David R. Dix

TITLE Agent and Attorney-in-Fact

SIGNATURE \_\_\_\_\_

DATE

12/17/02

(This space for State use only)



Form 3160-5  
(August 1999)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## SUNDRY NOTICES AND REPORTS ON WELLS

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL &amp; GAS COMPANY, L.P.

3a. Address

P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SEE ATTACHED EXHIBIT "A"

9. API Well No.

SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UT

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA...

## TYPE OF SUBMISSION

☐ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

## TYPE OF ACTION

☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other

SUCCESSOR OF

OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed when testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Date

March 4, 2003

DIV. OF OIL, GAS &amp; MINING

## THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW✓

3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02****FROM: (Old Operator):**

EL PASO PRODUCTION OIL &amp; GAS COMPANY

Address: 9 GREENWAY PLAZA

HOUSTON, TX 77064-0995

Phone: 1-(832)-676-5933

Account No. N1845

**TO: ( New Operator):**

WESTPORT OIL &amp; GAS COMPANY LP

Address: P O BOX 1148

VERNAL, UT 84078

Phone: 1-(435)-781-7023

Account No. N2115

CA No.

Unit:

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MORGAN STATE 3-36	36-09S-21E	43-047-32589	12002	STATE	GW	P
MORGAN STATE 4-36	36-09S-21E	43-047-32729	12068	STATE	GW	P
MORGAN STATE 5-36	36-09S-21E	43-047-32735	12069	STATE	GW	P
MORGAN STATE 6-36	36-09S-21E	43-047-32810	12119	STATE	GW	P
MORGAN STATE 7-36	36-09S-21E	43-047-32811	12134	STATE	GW	P
MORGAN STATE 8-36	36-09S-21E	43-047-32812	12179	STATE	GW	P
MORGAN STATE 9-36	36-09S-21E	43-047-32815	12178	STATE	GW	P
MORGAN STATE 10-36	36-09S-21E	43-047-32816	12135	STATE	GW	P
MORGAN STATE 11-36	36-09S-21E	43-047-32813	12137	STATE	GW	P
MORGAN STATE 12-36	36-09S-21E	43-047-32814	12136	STATE	GW	S
MORGAN STATE 13-36	36-09S-21E	43-047-32817	12130	STATE	GW	S
MORGAN STATE 14-36	36-09S-21E	43-047-33092	13194	STATE	GW	P
MORGAN STATE 16-36	36-09S-21E	43-047-33093	12407	STATE	GW	S
MORGAN STATE 15-36	36-09S-21E	43-047-33094	12384	STATE	GW	S
UTE TRAIL 6 1 (CA CR-12)	06-09S-22E	43-047-30667	185	INDIAN	GW	P
STATE 6-56 (TRIBAL) (CA CR-12)	06-09S-22E	43-047-32699	11839	FEDERAL	GW	P
TRIBAL 6-64 (CA CR-12)	06-09S-22E	43-047-33338	12676	INDIAN	GW	P
FEDERAL 6-100 (CA CR-12)	06-09S-22E	43-047-33401	12695	FEDERAL	GW	P
HALL 6-135 (CA CR-12)	06-09S-22E	43-047-33440	12711	FEE	GW	P
HALL 6-136 (CA CR-12)	06-09S-22E	43-047-33437	12700	FEE	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted on: \_\_\_\_\_

6. (R649-9-2) Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/09/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 03/27/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/27/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: RLB 0005236

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 158626364

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: RLB 0005239

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

**STATE OF UTAH**  
**DEPARTMENT OF NATURAL RESOURCES**  
**DIVISION OF OIL, GAS AND MINING**

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT – for such proposals		6. Lease Designation and Serial Number <b>MULTIPLE WELLS- SEE ATTACHED</b>
		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement <b>MULTIPLE WELLS- SEE ATTACHED</b>
		9. Well Name and Number <b>MULTIPLE WELLS- SEE ATTACHED</b>
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number <b>MULTIPLE WELLS- SEE ATTACHED</b>
2. Name of Operator <b>WESTPORT OIL &amp; GAS COMPANY, L.P.</b>		11. Field and Pool, or Wildcat <b>MULTIPLE WELLS- SEE ATTACHED</b>
3. Address of Operator <b>1368 SOUTH 1200 EAST, VERNAL, UTAH 84078</b>	4. Telephone Number <b>435-781-7060</b>	
5. Location of Well Footage : <b>MULTIPLE WELLS- SEE ATTACHED</b> County : <b>UINTAH</b> QQ, Sec, T., R., M : <b>MULTIPLE WELLS- SEE ATTACHED</b> State : <b>UTAH</b>		
12. <b>CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		

**NOTICE OF INTENT**

(Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandonment                      | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair                    | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                  | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection          | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat                   | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion              | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>VARIANCE</u> |   |

Approximate Date Work Will Start \_\_\_\_\_

**SUBSEQUENT REPORT**

(Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment *           | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____             |   |

Date of Work Completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III C. a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & Gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Debra Domenici Title Environmental Assistant Date 07/12/04

(State Use Only)

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**

Federal Approval Of This  
 Action Is Necessary

Date: 7/15/04By: [Signature]

See Instructions on Reverse Side

COPY SENT TO OPERATOR

Date: 7-16-04Initials: CAS**RECEIVED****JUL 14 2004**

DIV. OF OIL, GAS &amp; MINING

# Westport Oil & Gas, L.P.

## Project Economics Worksheet

### Instructions:

Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name:

Condensate Shrinkage Economics

Is this job a well pull or production rig job ??? ☐ N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIREFRAME SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
<b>Totals</b>	<b>\$0</b>	<b>\$350</b>	<b>\$350</b>

Increased OPX Per Year

### Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/840	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

### Production & OPX Detail:

	Before		After		Difference
Oil Production	0.192	BOPD	0.194	BOPD	0.002
Gas Production	0	MCFPD	0	MCFPD	0
Wtr Production	0	BWPD	0	BWPD	0
Horse Power		HP		HP	0
Fuel Gas Burned		MCFPD		MCFPD	0

### Project Life:

Life = 20.0 Years  
(Life no longer than 20 years)

### Internal Rate of Return:

After Tax IROR = #DIV/0!

### AT Cum Cashflow:

Operating Cashflow = (\$2,917) (Discounted @ 10%)

### Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment  
See graph below, note years when cashflow reaches zero

Payout = NEVER Years or #VALUE! Days

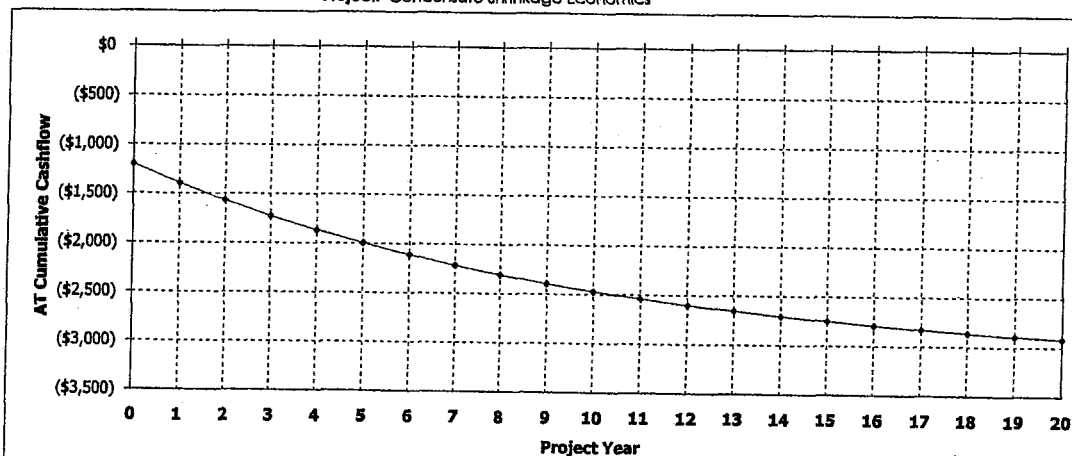
### Gross Reserves:

Oil Reserves = 6 BO  
Gas Reserves = 0 MCF  
Gas Equiv Reserves = 38 MCFE

### Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



**Westport Oil and Gas, Inc.**  
**NBU/Ouray Field**  
RFL 2003-022

**COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio ( scf/STbbl ) (A)	Specific Gravity of Flashed Gas ( Air=1.000 )	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

**Calculated at Laboratory Flash Conditions**

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

**Calculated Flash with Backpressure using Tuned EOS**

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

WELL	LEGALS	STF LEASE NO	CA NUMBER	API NO
ARCHY BENCH STATE 1-2	NENE SEC 2, T11S, R22E	ML22348A		4304731489
BAYLESS STATE 02-01	SWSE SEC 2, T9S, R20E	ML47044		4304734540
BONANZA 1023-2A	NENE SEC. 2, T10S, R23E	ML47062		4304735347
BONANZA 1023-2C	NENW SEC. 2, T10S, R23E	ML47062		4304735346
BONANZA 1023-2E	SWNW SEC. 2, T10S, R23E	ML47062		4304735345
KENNEDY WASH STATE 16-1	NWNW SEC 16, T8S, R23E	ML47212		4304733589
MORGAN STATE 01-36	SENE SEC 36, T9S, R21E	ML22265		4304730600
MORGAN STATE 02-36	NWNE SEC 36, T9S, R21E	ML22265		4304732585
MORGAN STATE 03-36	NWNE SEC 36, T9S, R21E	ML22265		4304732589
MORGAN STATE 04-36	NWSW SEC 36, T9S, R21E	ML22265		4304732729
MORGAN STATE 05-36	NWSE SEC 36, T9S, R21E	ML22265		4304732735
MORGAN STATE 06-36	SWNW SEC 36, T9S, R21E	ML22265		4304732810
MORGAN STATE 07-36	NENW SEC 36, T9S, R21E	ML22265		4304732811
MORGAN STATE 08-36	NENE SEC 36, T9S, R21E	ML22265		4304732812
MORGAN STATE 09-36	SWNE SEC 36, T9S, R21E	ML22265		4304732815
MORGAN STATE 10-36	SENE SEC 36, T9S, R21E	ML22265		4304732816
MORGAN STATE 11-36	NESW SEC 36, T9S, R21E	ML22265		4304732813
MORGAN STATE 12-36	NESE SEC 36, T9S, R21E	ML22265		4304732814
MORGAN STATE 13-36	SESE SEC 36, T9S, R21E	ML22265		4304732817
MORGAN STATE 14-36	SWSW SEC 36, T9S, R21E	ML22265		4304733092
MORGAN STATE 15-36	SESW SEC 36, T9S, R21E	ML22265		4304733094
MORGAN STATE 16-36	SWSE SEC 36, T9S, R21E	ML22265		4304733093
STATE 01-32	NESW SEC 32, T10S, R22E	ML22798	891008900A	4304734317
STATE 02-32	SESW SEC 32, T10S, R22E	ML22798		4304734831
STATE 03-32	NWSW SEC 32, T10S, R22E	ML22798		4304734832
STATE 1022-32A	NENE SEC. 32, T10S, R22E	ML22798		4304735096
STATE 1022-32J	NWSE SEC 32, T10S, R22E	ML22798		4304735095
STATE 1022-32M	SWSW SEC 32, T10S, R22E	ML-22798		
STATE 1022-32O	SWSE SEC. 32, T10S, R22E	ML22798		4304735315
STATE 11-36	NESW SEC 36, T8S, R21E	ML22051	9C-205	4304734505
STATE 14-16	SWSW SEC 16, T7S, R21E	ML40904		4304731417
STATE 31-32	SESE SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304730906
STATE 32-21	NESE SEC 32, T8S, R21E	ML22052	9C-204	4304730754
STIRRUP STATE 32-1	NWNE SEC 32, T6S, R21E	ML22036	UTU76783X	4304731557
STIRRUP STATE 32-1-J	NWSE SEC 32, T6S, R21E	ML40226		4304731646
STIRRUP STATE 32-2	SENE SEC 32, T6S, R21E	ML22036	UTU76783X	4304731626
STIRRUP STATE 32-6 SWD	NENE SEC 32, T6S, R21E	ML22036	UTU76783X	4304732784
UTE TRIBAL 31-060	NESW SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304733340
WONSITS STATE 01-32	SWNE SEC 32, T7S, R22E	ML47780		4304732820
WONSITS STATE 02-32	SWSE SEC 32, T7S, R22E	ML47780		4304732819
WONSITS STATE 05-32	SENE SEC 32, T7S, R22E	ML47780		4304733678
WONSITS STATE 09-32	NESW SEC 32, T7S, R22E	ML47780		4304734060

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ

2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/6/2006**

**FROM: (Old Operator):**

N2115-Westport Oil & Gas Co., LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

**TO: ( New Operator):**

N2995-Kerr-McGee Oil & Gas Onshore, LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

**CA No.**

**Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
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**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
 The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEE ATTACHED**

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

**RECEIVED**

**MAY 10 2006**

DIV. OF OIL, GAS & MINING

**BLM BOND = C01203**

**BIA BOND = RLB0005239**

**APPROVED 5/16/06**

*Earlene Russell*

**Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**RANDY BAYNE**

Signature

*Randy Bayne*

Title

**DRILLING MANAGER**

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**WESTPORT OIL & GAS COMPANY L.P.**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEE ATTACHED**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

**APPROVED 5/16/06**

*Earlene Russell*  
**Division of Oil, Gas and Mining**  
**Earlene Russell, Engineering Technician**

**RECEIVED**

**MAY 10 2006**

**DIV. OF OIL, GAS & MINING**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**BRAD LANEY**

Signature

Title

**ENGINEERING SPECIALIST**

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

*Brad Laney*

Title

Office

Date

**5-9-06**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22265
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> MORGAN STATE 15-36
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0951 FSL 1784 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 36 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047330940000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 8/3/2010			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 THIS WELL RETURNED TO PRODUCTION ON 8/3/2010 AT 1:00 P.M.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 August 05, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/4/2010	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22265
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> MORGAN STATE 15-36
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0951 FSL 1784 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 36 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047330940000
<b>PHONE NUMBER:</b> 720 929-6514		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/5/2012</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE   <input type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input checked="" type="checkbox"/> PLUG BACK   <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The Operator requests to plug back and abandon the existing Wasatch and Mesaverde perforations, and recomplete the subject well in the Green River formation. Please see attached procedure for details. Thank you.		
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> March 13, 2012 <b>By:</b> <u><i>Derek Duff</i></u>		
<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske		<b>PHONE NUMBER</b> 720 929-6304
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst
<b>DATE</b> 3/5/2012		

# Greater Natural Buttes Field



**MORGAN STATE 15-36**

**PLUGBACK WASATCH/MESAVERDE AND COMPLETE GREEN RIVER**

**DATE:2/2/2012**

**AFE#:**

**API#:4304733094**

**USER ID:CKW374** (Frac Invoices Only)

**COMPLETIONS ENGINEER:** Michael Sollee, Denver, CO  
(720)-929-6057 (Office)  
(832) 859 0515 (Cell)

**SIGNATURE:**

**ENGINEERING MANAGER: JEFF DUFRESNE**

**SIGNATURE:**

**REMEMBER SAFETY FIRST!**

**Name:** **MORGAN STATE 15-36**  
**Location:** **SE SW Sec 36 T9S R 21E**  
**LAT: 39.988017** **LONG: -109.503103** **COORDINATE: NAD83 (Surface Location)**  
**Uintah County, UT**  
**Date:** **2/2/2012**

**ELEVATIONS:** 5026' GL 5040' KB *Frac Registry TVD: 8024*

**TOTAL DEPTH:** 8024' **PBTD:** 7981'  
**SURFACE CASING:** 8 5/8", 24# J-55 ST&C @ 252'  
**PRODUCTION CASING:** 4 1/2", 11.6#, N-80 LT&C @ 8023'  
 Marker Joint **5480-5501'**

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

1,348" Green River Top  
 1,523" Bird's Nest Top  
 2,013" Mahogany Top  
 4,579" Wasatch Top  
 7,212" Mesaverde Top  
 \*Based on latest geological interpretation

**BOTTOMS:**

7,212" Wasatch Bottom  
 8,024' Mesaverde Bottom (TD)

**T.O.C.** @ 2330' SLB CBL 6/30/1998

\*\*Based on latest interpretation of CBL

Hydraulic Isolation : 2776

**GENERAL:**

- A minimum of **1** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 6/21/1998
- **1** Acid wash stage required for coverage.
- Procedure calls for **3** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCL.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- **15% HCL Acid Wash**
- Maximum surface pressure **5000** psi.

- If casing pressure test fails. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation (specific details on remediation will be provided in post-job-report). Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 5000 psi for 30 minutes.
- **Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **Stage 1 requires 2 perforation runs. Perforate all of stage 1 before frac crew arrives on location.**
- Tubing Currently Landed @~7642
- Originally completed on 8/27/98

**Existing Perforations:**

MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	
5,020.0	5,020.0	3.00	Wasatch
5,513.0	5,513.0	3.00	
5,514.0	5,514.0	3.00	
5,547.0	5,547.0	3.00	
5,564.0	5,564.0	3.00	
5,960.0	5,960.0	3.00	
6,012.0	6,012.0	3.00	
6,109.0	6,109.0	3.00	
6,273.0	6,273.0	3.00	
6,274.0	6,274.0	3.00	
6,580.0	6,580.0	3.00	
6,581.0	6,581.0	3.00	
6,582.0	6,582.0	3.00	
6,939.0	6,939.0	3.00	
6,940.0	6,940.0	3.00	
7,268.0	7,268.0	3.00	Mesaverde
7,276.0	7,276.0	3.00	
7,382.0	7,382.0	3.00	
7,424.0	7,424.0	3.00	
7,434.0	7,434.0	3.00	
7,643.0	7,643.0	3.00	

**Relevant History:**

7/1/98-7/5/1998: Completion Operations. 1<sup>st</sup> stage (MV 7268-7643) frac'd with 8014 gal YF-125LGM pat & 39467 gal YF-120 LGM W/97,000# 20/40 SD ramped 2-4 ppg & 20,000# 20/40 resin 2-4 ppg. 2<sup>nd</sup> stage (W 6580-6940) 7 bbls 15% HCL Acid w/45,000# 20/40 sd, 10,000# resin w/ 598 bbls of gel. 3<sup>rd</sup> stage (W 5960-6274) 35,000# 20/40 sd, 10,000# resin w/ 19782 gal gel. Spot 7 gal 15% HCL. 4<sup>th</sup> stage (W 5020-5564) 65,400# 20/40 sd, 20,000# resin w/ 38556 gal gel.

08/27/98: Top down job. RU Dowell to 8-5/8" - 4-1/2" csg annulus f/2nd top dn job. Tail w/15 sx class "G" w/add, wt 11.5, yld 3.16. Flush w/1 BW. ISIP 180 psi, MP 348 psi @ 1.5 BPM, AP 200 psi @ 1.5 BPM. Wash up & RD Dowell. Open csg valve w/press.

**H2S History:**

0 ppm reading since 2/28/2009 when there was a reading of 5 ppm.

**PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN.
3. **PLUG #1, ISOLATE MV PERFORATIONS (7268' – 7643')**: RIH W/ 4 1/2" CIBP. SET @ ~7150'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~6940'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, ISOLATE WAS PERFORATIONS (5020' – 6940')**: RIH W/ 4 1/2" CIBP. SET @ ~5000'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 1.6 BBL/ 8.72 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~4900'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #3, PROTECT TOP OF WASATCH (4579')**: PUH TO ~4800'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4590' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 5000 psi for 30 minutes; if pressure test fails contact Denver engineer and see notes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
Green River	4525	4527	2	4
Green River	4533	4535	2	4
Green River	4547	4549	2	4
Green River	4560	4562	2	4
Green River	4571	4573	2	4



8. POOH w/ perf guns (Set 1) and RIH with perf guns (Set 2) and Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
Green River	4477	4478	2	2
Green River	4486	4487	2	2
Green River	4509	4517	2	16

**Stage 1 requires 2 perforation runs. Perforate all of stage 1 before frac crew arrives on location.**

9. Breakdown perfs and establish injection rate. Spot 250 gals of 15% HCL and let soak 5-10 min. Acid wash as outlined in Stage 1 on attached listing. Under-displace to ~4477' and flush only with recycled water.
10. Set 8000 psi CBP at~4,427'.
11. ND Frac Valves, NU and Test BOPs.
12. TIH with POBS and mill.
13. Mill plug @ 4,427' clean out to Cement Plug at 4590'. Land tubing at ±4495' pump off bit and bit sub.
14. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
15. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call  
Michael Sollee, Denver, CO  
(720)-929-6057 (Office)  
(832) 859 0515 (Cell)**

**For field implementation questions, please call  
Jeff Samuels, Vernal, UT  
(435)-781-7046 (Office)**

NOTES:

**Stage 1 requires 2 perforation runs. Perforate all of stage 1 before frac crew arrives on location.**

**If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work**

**Verify that the Braden head valve is locked OPEN.**

Acid Pickling and H2S Procedures (If Required)

**\*\*PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLs 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLs 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLs MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form**

Key Contact information

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Service Company Supplied Chemicals - Job Totals

Friction Reducer	0	gals @	0.0	GPT
Surfactant	11	gals @	1.0	GPT
Clay Stabilizer	11	gals @	1.0	GPT
15% Hcl	11250	gals @	250	gal/stg
Iron Control for acid	56	gals @	5.0	GPT of acid
Surfactant for acid	11	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	23	gals @	2.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	22	gals pumped per schedule above		
Biocide	6	gals @	0.5	GPT

Name Morgan State 15-36 - GR Recomplete

**Name** Morgan State  
**Slickwater Frac**

Copy to new book

RECEIVED: Mar. 05, 2012

**Name** Morgan State 15-36 - GR Recomplete  
**Perforation and CBP Summary**

Stage	Zones	Perforations		SPF	Holes	Perf Gun #	Fracture Coverage		
		Top, ft	Bottom, ft						
1	Green River	4477	4478	2	2	2	4475	to	4479
	Green River	4486	4487	2	2	2	4484	to	4489
	Green River	4509	4517	2	16	2	4504	to	4522
	Green River	4525	4527	2	4	1	4524	to	4529
	Green River	4533	4535	2	4	1	4533	to	4536
	Green River	4547	4549	2	4	1	4545	to	4549
	Green River	4560	4562	2	4	1	4559	to	4562
	Green River	4571	4573	2	4	2	4570	to	4573
	# of Perfs/stage				40		CBP DEPTH	4,427	
	Totals				40				

MD	TVD	INC		MD	TVD	INC
0	0	0		2300	2299.77	1
100	100	0.25		2400	2399.76	1
200	200	0.25		2500	2499.74	1.25
300	300	0.25		2600	2599.7	1.75
400	399.99	0.75		2700	2699.67	1.25
500	499.99	0.75		2800	2799.65	1.25
600	599.98	0.75		2900	2899.62	1.5
700	699.97	1		3000	2999.59	1.25
800	799.95	1		3200	3199.53	1.5
900	899.93	1.25		3400	3399.45	1.75
1000	999.91	1		3600	3599.36	1.75
1100	1099.9	1		3800	3799.3	1
1200	1199.88	1		4000	3999.23	2
1300	1299.87	1		4200	4199.1	2.25
1400	1399.85	1		4400	4398.91	2.75
1500	1499.84	0.75		4600	4598.73	2.25
1600	1599.84	0.5		4800	4798.59	2
1700	1699.83	0.5		5000	4998.47	2
1800	1799.83	0		5200	5198.38	1.5
1900	1899.83	0.5		5400	5398.33	1
2000	1999.82	0.75		5600	5598.27	1.75
2100	2099.81	1		5800	5798.16	2
2200	2199.79	1.25		5975	5973.07	1.75